

A white and yellow RC airplane with "Ripmax" and "WOT" branding, shown in flight against a dark sky. A large, detailed RC engine is also featured in the foreground.

**Ripmax**

**NEW ITEMS  
2010**

Hundreds of  
Exciting New  
Products Inside!



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# Ripmax



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## NEW ITEMS 2010

NOTE: Unless clearly identified as 'Included' in the specifications table, all models are supplied without radio and power system (i.e. engine or motor) and require further items to complete. We may offer recommendations as to suitable motors, engines and radios for the models we are featuring but these are not included. Most of the models shown are supplied Almost Ready to Fly or operate and only require final assembly. For further information see [www.ripmax.com](http://www.ripmax.com)

E&OE. Whilst every effort has been made to guarantee the accuracy of this publication, it is inevitable that some errors may occur during its production. Ripmax Ltd can accept no responsibility for losses or damages caused. Prices shown are intended as a guide only. Please check with your local dealer for current prices.



## CORSAIR SOCC ARTF

The world of 1/5th scale warbirds has suddenly become very affordable with the launch of the new, big, Black Horse Corsair. At 90 inch span this is a serious size model, but by careful use of laser cut, balsa and ply components, weight has been kept down to an amazing 18 1/2lbs (8.4Kg). Perfect for use with affordable 50cc engines that have become so popular, or fit a 62cc engine and prepare for real performance in the vertical. The outline has been kept as close to scale as possible to keep the classic look 'all Corsair' as she grooves around the sky in a manner that only big models like this can. Black Horse made sure that the gull wing angle was correct as the easy option was never a consideration. Not only are the multi-section flaps true to the original, there are also air operated, twist and turn retracts included - complete with functioning oleo legs. For ease of transportation, the individual wing panels can be easily removed. The whole model is finished in durable Oracover covering, so those looks will be retained for many years to come. Flying is so predictable and easy that you could even make her your first warbird. Go on, you know you want to!!!

Wingspan:	2310mm (90.04")
Length:	1750mm (68.90")
Engine:	50~62 cc Petrol
Radio:	6~7 Channel
Servos:	9 Servos Required



- Multi Section Flaps
- Air Operated Twist and Turn Retracts Included
- Accurate Scale Detail
- Functioning Oleo Legs

**Twist  
and Turn  
Retracts  
Included!**



A-BH064 Black Horse Corsair 50cc ARTF ..... £549.99

## SPACEWALKER EP/GP ARTF

Designed to resemble aircraft from the 'Golden Days' of aviation, the Spacewalker has masses of charm and character. This delightful new model from Black Horse emulates the full size superbly!

This Spacewalker makes an excellent choice as a first tail-dragger, offering a solid flight performance that will delight the club sportsman and inspire the novice low wing pilot. Perfect for your choice of .40~.46 size engines, or brushless motor power and regular radio equipment.

Created from the lightest laser cut balsa and ply components, then factory finished in a durable film covering.

- Perfect First Tail-Dragger
- Custom Hardware Package
- Durable Film Covering
- Comprehensive Assembly Instructions



Wingspan:	1550mm (61")
Length:	1180mm (46.4")
Engine:	.40~.46 2 Stroke
Motor:	KMS 2826/05
Radio:	4 Channel with 5 Servos

A-BH065 Black Horse Spacewalker EP/GP ARTF ..... £84.99

## RYAN 120 ARTF

What a beauty! This is the largest Ryan in the exciting new Black Horse range. Perfect for use with 1.20 size four strokes, or the latest breed of compact petrol engines, this big 2350mm (92.52") span model is certain to be admired wherever it's flown. And that larger size translates into a smooth and predictable flight performance that will delight any pilot with previous low wing experience, making it a perfect choice as a first large scale model. Features traditionally built construction techniques and hand finished in smooth glossy Oracover.

**A-BH072 Black Horse Ryan 120 ARTF.....£244.99**



- Perfect First Large Scale Model
- Predictable Flight Characteristics
- Lightweight Airframe
- Comprehensive Hardware Package

Wingspan:	2350mm (92.52")
Length:	1730mm (68.11")
Engine:	1.20 4 Stroke
	26cc Petrol
Radio:	6 Channel with 8 Servos

## CORSAIR 91 ARTF

Finding a model of the famous Corsair is difficult when you are a demanding scale modeller. You want the right scale shape, you want twist and turn retracts with doors, you want scale - multi-section flaps and a build standard to be proud of. Well, Black Horse have provided all of this and more! This great value model includes a dummy radial engine and working oleos too! At nearly 70 inch span and capable of being flown on a regular .91 class four stroke, this Corsair is a model that is well within the reach of all club pilots.

- Multi-Section Flaps
- Twist and Turn Retracts Included
- Working Oleo Legs
- Dummy Radial Engine

**A-BH077 Black Horse Corsair 91 ARTF.....£399.99**



**Twist and Turn Retracts Included!**



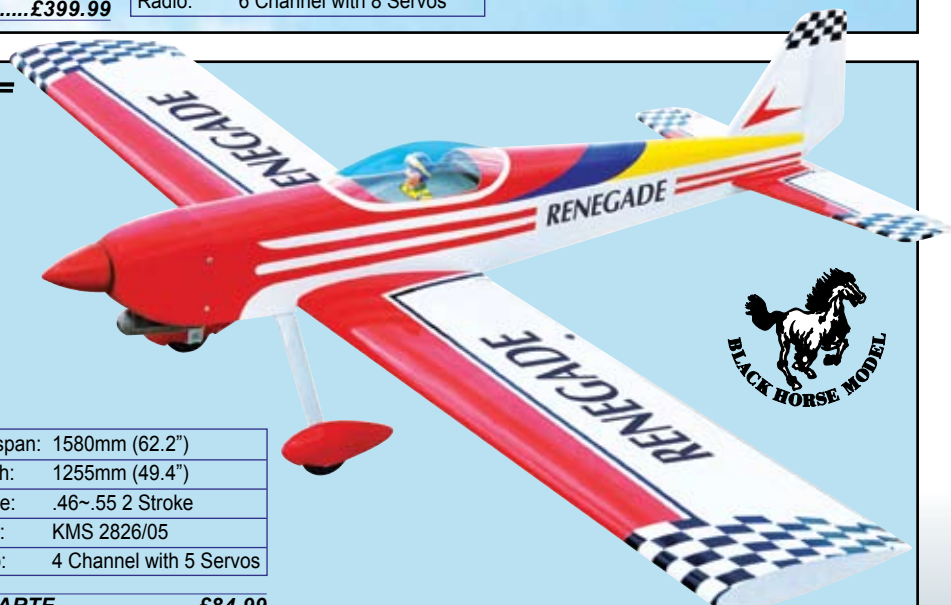
Wingspan:	1760mm (69.29in)
Length:	1320mm (51.97in)
Engine:	.61 2 Stroke or .91 4 Stroke
Radio:	6 Channel with 8 Servos

## RENEGADE EP/GP ARTF

Styled on the latest generation of sleek high performance homebuilt aircraft, the new Black Horse Renegade is sure to turn heads at your club, even when it's not in the air! Beneath the tough film covering is a lightweight airframe constructed from laser cut balsa and ply components. This great value sports model can be made flight ready in the shortest time, and includes factory hinged control surfaces, pre-painted fibreglass cowling, comprehensive hardware pack and illustrated assembly instructions.

- Sparkling Flight Performance
- All Balsa and Ply Construction
- Electric or Glow Power Options
- Comprehensive Hardware Pack

**A-BH066 Black Horse Renegade EP/GP ARTF.....£84.99**



Wingspan:	1580mm (62.2")
Length:	1255mm (49.4")
Engine:	.46-.55 2 Stroke
Motor:	KMS 2826/05
Radio:	4 Channel with 5 Servos



**ANGEL EP/GP ARTF**

The Angel is a highly versatile mid-wing model from Black Horse. The clever design makes it a great choice for so many applications... a perfect follow-on from a high wing trainer, durable sports aerobat, or increase the power and control throws for performance to delight even the most experienced of pilots. Finished in a tough film covering in a stunning four colour design, the Angel includes a very complete package of quality hardware and illustrated assembly instructions. With all this quality at such a remarkable low price, the Angel really does seem like it was heaven sent!

- Highly Versatile Multi-Role Model
- Electric or Glow Power Options
- Huge Flight Performance Envelope
- Comprehensive Pack of Quality Hardware

**A-BH067**     **Black Horse Angel EP/GP ARTF** ..... **£84.99**



Wingspan:	1580mm (62.2")
Length:	1265mm (49.8")
Engine:	.46~.55 2 Stroke
Motor:	KMS 2826/05
Radio:	4 Channel with 5 Servos

**SEDONA GP ARTF**

An exciting new trainer with a little bit extra? That'll be the Black Horse Sedona! Bigger models fly better, it's a well known fact. And when you're learning to fly, the increased size of the 1800mm (70") span Sedona equates to increased stability, smoother handling and of course easier tracking and visibility. Perfect for the current range of .46~.55 2 Stroke engines and standard radio equipment, the Sedona is manufactured using traditional construction techniques from high quality materials, then hand finished in a tough film covering. Includes detailed assembly instructions.

- Bigger and Better Than an Average Trainer
- High Performance Wing Section Gives Increased Lift
- Shock Absorbing Noseleg
- Very Comprehensive Hardware Pack

**A-BH068**     **Black Horse Sedona GP ARTF** ..... **£89.99**



Wingspan:	1800mm (70.9")
Length:	1470mm (57.9")
Engine:	.46~.55 2 Stroke
Radio:	4 Channel with 4 Servos

**GLASAIR 120 ARTF**

When it comes to producing innovative models, Black Horse are famed for their out-of-the-box thinking. This time they have created a real beauty! A stunning recreation of one of the fastest and most highly regarded experimental home built aircraft of all time. This Glasair features a host of scale features including fully functioning flaps, cockpit detailing, crystal clear canopy, crew figures, and working lights. Crafted from the lightest balsa and quality plywoods, then hand finished to this authentic scheme in smooth glossy Oracover, this model is the treat that scale ARTF fans have been waiting for.



- Host of Scale Detailing
- Working Flaps and Lights
- Comprehensive Pack of Quality Hardware
- Minimal Assembly Time

Wingspan:	1860mm (73.25")
Length:	1470mm (58")
Engine:	.91~1.20 2 Stroke or 1.20~2.00 4 Stroke
	20cc Petrol
Radio:	6 Channel with 8 Servos

**A-BH074**     **Black Horse Glasair 120 ARTF** ..... **£179.99**



## RYAN STA 55 ARTF

The pioneer of the Golden Age has returned as a practical and durable sports model! The new Ryan STA from Black Horse is instantly recognisable. It complements graceful style with all the latest modern construction techniques. This convenient size model is manufactured from the highest quality laser cut components and hand finished in glossy Oracover film to faithfully recreate the gorgeous classic curves of the original. Flight performance is both smooth and predictable, with a wide track main landing gear and steerable tailwheel for accurate ground handling. Includes a custom hardware pack and comprehensive assembly instructions.

- Classic 'Golden Age' Styling
- Smooth, Predictable Performance
- Factory Built and Hand Finished
- Comprehensive Pack of Quality Hardware

Wingspan:	1800mm (71")
Length:	1350mm (53")
Engine:	.55~.61 2 Stroke or .91 4 Stroke
Radio:	4~5 Channel with 5 Servos

**A-BH073** *Black Horse Ryan STA 55 ARTF* ..... £124.99



## BLADE EP/GP ARTF

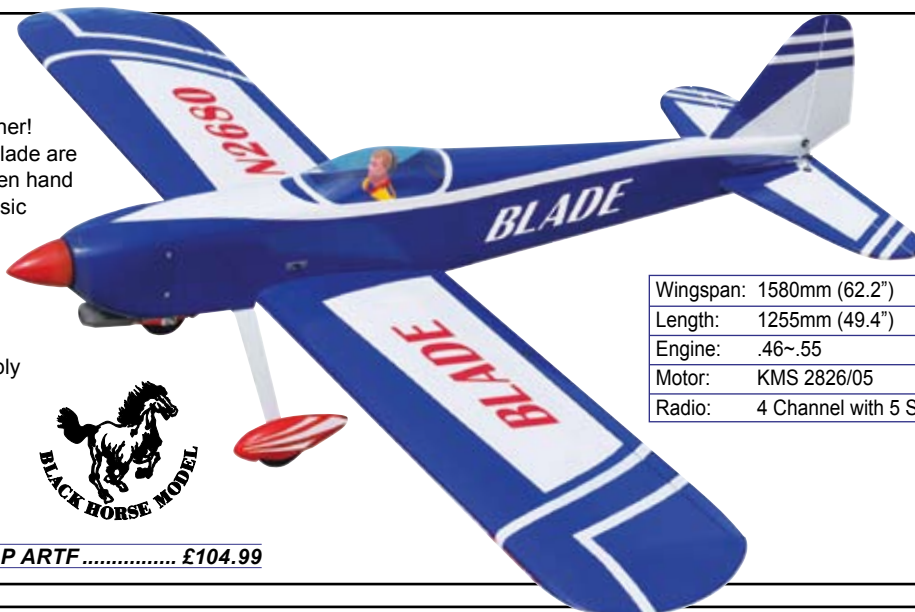
If you're looking for an attractive low wing tail-dragger that combines great looks with terrific flight performance, then look no further! The curvaceous lines of the exciting new Blade are formed from precision cut balsa and ply, then hand finished with durable film covering in a classic red white and blue design. Perfect for your choice of either glow or electric power units, the Blade is supplied complete with factory finished fibreglass cowl, wheel spats and a very comprehensive pack of quality hardware. Includes detailed assembly instructions.

- Curvaceous Low Wing Tail-Dragger
- Superior Flight Performance
- Glow or Electric Power Option
- Quality Construction



**A-BH070** *Black Horse Blade EP/GP ARTF* ..... £104.99

Wingspan:	1580mm (62.2")
Length:	1255mm (49.4")
Engine:	.46~.55
Motor:	KMS 2826/05
Radio:	4 Channel with 5 Servos



## SPRINTER EP/GP ARTF

A fresh and new mid wing design ARTF from Black Horse. The Sprinter has many great attributes, sensational flight performance, superior all wood construction and best of all, it's terrific value! The tricycle undercarriage features a newly designed sprung nose leg for accurate ground handling and low-bounce landings on those 'less than perfect' strips. Sure to be a popular choice with many club sports pilots, the Sprinter has been created for use with either glow engines, or one of the latest generation brushless motors. Either way, you'll be rewarded with a model you'll be proud to own and fly!

- Factory Built and Hand Finished
- Pre-Painted Fibreglass Cowling
- Comprehensive Hardware Pack
- Detailed Assembly Instructions

**A-BH071** *Black Horse Sprinter EP/GP ARTF* ..... £104.99



Wingspan:	1580mm (62.2")
Length:	1265mm (49.8")
Engine:	.46~.55
Motor:	KMS 2826/05
Radio:	4 Channel with 5 Servos





## EDGE ARTF

Get ready to be impressed by the new Black Horse Edge ARTF. Just like the full-size, this Edge has been created with one goal in mind... performance! Offering eye-watering levels of high 'G' performance this stunning model is manufactured from laser cut balsa and ply components for optimum strength and the lightest weight. Hand finished in glossy Oracover to this exciting scheme, the Edge is supplied complete with factory finished fibreglass cowling and wheel spats. This superb ARTF includes a comprehensive pack of quality hardware and detailed assembly instructions.



Wingspan:	1550mm (61")
Length:	1500mm (59")
Engine:	.61~.75 2 Stroke or .91 4 Stroke
Radio:	6 Channel with 5 Servos

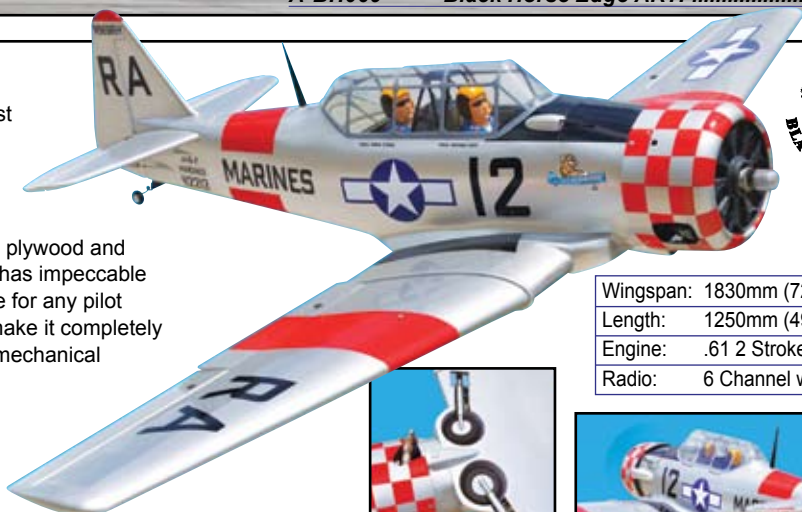
- Outstanding High 'G' Performer!
- Fibreglass Cowling and Wheel Spats
- Hand Finished in Glossy Oracover
- Quality Hardware Pack

**A-BH069 Black Horse Edge ARTF.....£169.99**

## AT-6 61 ARTF

If you're looking for a first scale model with a host of detailing and excellent flight performance at a remarkably low price, then you've just found it! The new AT-6 from Black Horse perfectly captures the iconic lines of the full-size aircraft. Manufactured from the lightest quality balsa and plywood and hand finished in this accurate scheme, the AT-6 has impeccable flight characteristics that make it a perfect choice for any pilot with previous low wing experience. And just to make it completely irresistible Black Horse include a set of custom mechanical retracts!

- Quality Retracts Included
- Hand Finished in Oracover
- Perfect First Scale Model
- Impeccable Flight Characteristics



Wingspan:	1830mm (72.05")
Length:	1250mm (49.2")
Engine:	.61 2 Stroke .91 4 Stroke
Radio:	6 Channel with 8 Servos

**A-BH075 Black Horse AT-6 61 ARTF.....£219.99**

## PILATUS PC-9 ARTF

The ultimate ARTF Pilatus PC-9? We think so! With a span of 1840mm (72.44") this is a large model, with the performance to match. Just a quick glance at the immense crystal clear canopy, crew figures and cockpit detailing tell you that this is a quality ARTF. Closer inspection will reveal that it includes a custom set of tricycle air operated retracts with air control kit and sprung oleos, making the PC-9 incredible value. How does she fly? Brilliantly. Those beautiful lines translate into a smooth aerobatic performance that will delight any enthusiast.

- Air Operated Retracts Included
- Finished in Smooth Glossy Oracover
- Fibreglass Factory Finished Cowl
- Quality Hardware Pack Included



Wingspan:	1840mm (72.44")
Length:	1830mm (72.05")
Engine:	1.20 2 Stroke
	2.00 4 Stroke, 20cc Petrol
Radio:	6 Channel with 9 Servos

**A-BH076 Black Horse Pilatus PC-9 ARTF.....£309.99**

**Ripmax**

# WOT 4 Mk2

BY CHRIS FOSS

ARTF

Designed and developed by Chris Foss, the UK's leading model aircraft designer, the WOT 4 Mk2 ARTF is the first Almost Ready to Fly version of his timeless classic – arguably the best of Chris's designs – it has to be the most exciting sports aerobatic models of all time!

Its strong, lightweight balsa and ply structure is supplied expertly factory built and finished in heatshrink film, so the WOT 4 Mk2 ARTF is flight ready in minimum time. The model comes complete with durable aluminium undercarriage, pre-painted fibreglass cowl and comprehensive accessory pack including spinner, wheels, tank, linkages and more!

Wingspan:	1334mm (52.5")
Length:	1185mm (46.5")
Engine:	.40~.55 2 Stroke
Radio:	4 Channel with 5 Servos

In the air is where the WOT 4 excels... it can be flown at little more than walking pace under full control and then push the throttle open and you're rewarded with a sparkling aerobatic performance. One word best describes the WOT 4. Versatile! With reduced throws it's the perfect follow on from a trainer. With the recommended throws it's the perfect sports model with loops, rolls, flicks and spins being well within its repertoire. Experienced pilots will want to increase the throws further and, when fitted with a powerful engine at the top end of the recommended range, the sky really is the limit! With terrific vertical performance this highly aerobatic model will satisfy the most demanding pilot.

Is there a better stunt model? We don't think so!

- Almost Ready to Fly Version of the Legendary WOT 4 Mk2!
- Designed and Developed by Chris Foss
- Highly Aerobatic – Sensational Performance – Amazing Low-Speed Manoeuvrability
- Factory built and covered fuselage
- Factory built and covered wing, tail and fin
- Pre-formed aluminium undercarriage and pre-painted fibreglass cowl
- Comprehensive hardware package containing spinner, tank, wheels, pushrods, clevises, horns, etc.
- Full colour, step-by-step assembly instructions

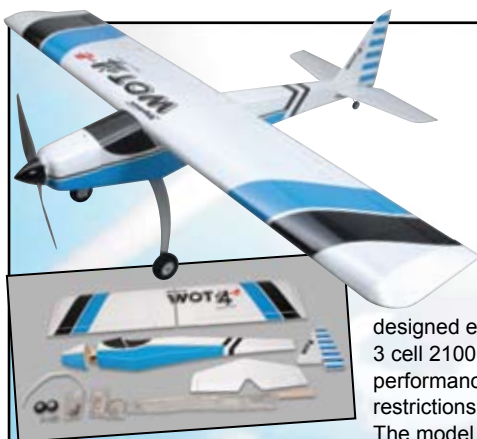
**Limited  
Edition  
Orange!**

**Limited  
Edition  
Yellow!**



A-CF002	WOT 4 Mk2 ARTF .....	£99.99
A-CF002LEO	WOT 4 Mk2 ARTF Ltd. Edition Orange ...	£109.99
A-CF002LEY	WOT 4 Mk2 ARTF Ltd. Edition Yellow .....	£109.99





## Ripmax WOT 4<sup>Mk2</sup>-E by CHRIS FOSS

The demand has been growing for a tough yet superbly performing sport aerobatic model - what could fulfil this role better than a scaled down and purpose

designed electric version of the famed WOT 4? Developed around popular 3 cell 2100~2500mAh Li-Po battery packs, the WOT 4-E has an amazing performance and is ideal for small field use - or where there are noise restrictions - yet is large enough to hold its own at the busiest flying sites.

The model is strong and light with the additional benefit of an easy access battery mount with magnetically secured hatch cover - no need to take the wings off with this model!

Wingspan:	1200mm (47.0")
Length:	1050mm (41.0")
Motor:	KMS 2820/05 Recommended
Radio:	4 Channel with 4 Servos

A-CF003 Wot 4-E Mk2 ARTF..... £89.99

***Sunning!***

A Chris Foss Design

## Ripmax WOT 4<sup>Mk2</sup> FOAM-E by CHRIS FOSS

This is not just any foam model! It's a very clever WOT 4 that can be flight ready in under 30 minutes! The beautiful EPO mouldings hide an innovative internal structure that adds strength where needed and locks all the components together.

The impressive specification includes a carbon main spar, carbon fuselage spine, shock resistant engine mount, simple battery access and battery retaining moulding, with further carbon reinforcement for the tailplane and ailerons.

The four servos, brushless motor and 30A ESC are all pre-installed. Just add a receiver and a 3 cell 2100~2500mAh battery of your choice then let the fun begin!

***Receiver Ready!***

Wingspan:	1205mm (47.4")
Length:	1050mm (41.0")
Motor:	3536 820kV - Included
Radio:	4 Channel
Servos:	4 Included

A-CF020 WOT 4 Foam-E Mk2 ARTF..... £129.99

A Chris Foss Design

## Ripmax WOT 4<sup>Mk2</sup>XL by CHRIS FOSS

Is there anything better than the legendary WOT 4 - well there is now with the release of the new WOT 4 XL! Boasting a 68" wingspan and with a huge 6.7 sq ft wing area combined with the light all up weight of around 8 ½ lbs (3.85Kg) means that the WOT 4 XL is even smoother and easier to fly, yet is still fully aerobatic, even at remarkably low airspeeds. This light wing loading also makes for an incredibly low stalling speed and simplifies landings, with a .90~1.20 two or four stroke engine being enough for a sparkling performance and extended verticals with engines at the top end of the range. Soon to be available as an option is a simple aerotow system, which can be retro fitted at any time, taking only minutes to install, and which is suitable for gliders of up to around 4m span and 7.0Kg weight.

Wingspan:	1730mm (68.0")
Length:	1535mm (60.4")
Engine:	.90~1.20 2 or 4 Stroke
Radio:	5 Channel with 5 Servos

A-CF004 Wot 4 XL Mk2 ARTF..... £189.99

A Chris Foss Design



### F-100 SUPER SABRE

- Outstanding Flight Performance
- 90mm Fan Unit Included
- Factory Painted
- Quality Hardware Pack

The latest exciting addition to the FlyFly range of high performance EDF jets, the stunning F-100 Super Sabre. This larger than average EDF has real presence in the air, and offers the experienced pilot outstanding levels of flight performance combined with masses of authentic scale detail. Created from lightweight moulded foam then factory painted in this accurate silver scheme the F-100 Super Sabre is a breeze to assemble and is supplied complete with a high performance 90mm fan unit, fixed gear, quality hardware pack and full instructions.

Wingspan:	1220mm (48")
Length:	1520mm (59.8")
Motor:	B36 Brushless (Recommended)
Radio:	6+ Channel

**A-FFD009 FlyFly F-100 Super Sabre ..... £164.99**



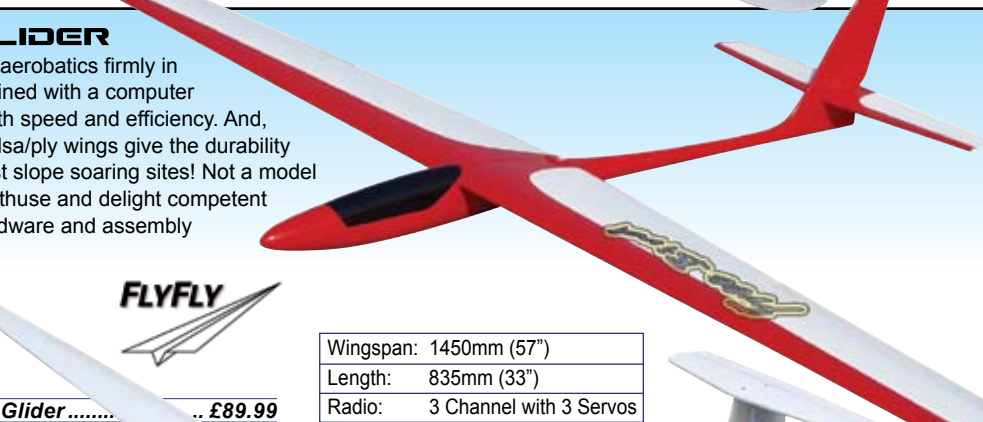
### SPEEDY ELECTRIC GLIDER

This exciting new electric glider from FlyFly features a tough GRP fuselage with a traditionally built and sheeted wing that combines great strength with excellent performance. Capable of a wide range of aerobatic manoeuvres this sleek design can be surprisingly quick, but has excellent low speed handling characteristics for perfect spot landings. Supplied complete with quality hardware and assembly instructions, the Speedy can be made flight ready in the shortest time and represents great value!

- GRP Fuselage
- Built-Up and Sheeted Wing
- Wide Speed Range

Wingspan:	1600mm (63")
Length:	970mm (38")
Motor:	KMS Quantum 380/20 (Recommended)
Radio:	4 Channel with 3 Servos

**A-FFB002E FlyFly Speedy Electric Glider ..... £94.99**



### FREE BIRD ARTF GLIDER

A slope soarer created with performance aerobatics firmly in mind. Those sleek purposeful lines combined with a computer enhanced MH32 wing section provide both speed and efficiency. And, the GRP moulded fuselage and tough balsa/ply wings give the durability needed for the harsh environment of most slope soaring sites! Not a model for the beginner, this superb glider will enthuse and delight competent pilots! Supplied complete with quality hardware and assembly instructions.

- High Performance Slope Soarer
- Durable GRP Fuselage
- Tough Balsa/Ply Wings
- Minimal Assembly Time

Wingspan:	1450mm (57")
Length:	835mm (33")
Radio:	3 Channel with 3 Servos

**A-FFB007 FlyFly Free Bird ARTF Glider ..... £89.99**



### DG808S ARTF GLIDER

The DG808S is FlyFly's largest ever scale glider with a massive wingspan of 4m! A beautiful model that really captures the lines and grace of the full-size. The HQ2512 wing section gives the kind of efficient flight performance that you would expect and those upswept wing tips add great low speed stability as well as reduced drag. Not a model for the beginner, but most pilots with experience would find her simple to master. At home on both the slope or from flat fields with the simple addition of a towhook. Construction follows the standard FlyFly concept of a lightweight GRP moulded fuselage with balsa/ply flying surfaces covered in a durable heatshrink film.

- Massive 4m Span
- Durable GRP Fuselage
- Perfect for Slope or Flat Fields

Wingspan:	4000mm (157.5")
Length:	1560mm (61.5")
Radio:	6~7 Channel with 6 Servos

**A-FFB013 FlyFly DG808S ARTF Glider ..... £279.99**



## F-16 EDF VT ARTF

It's all in the detail....and no-one gives you more high level scale detail than Freewing! Accurately moulded from robust EPS foam, the stunning F-16 has an amazing specification. It includes a dual axis 360° vectored thrust unit, factory fitted servos for all flight controls, high performance brushless motor, 70mm fan, ESC, and a superb factory applied colour scheme with accurate decals. Simply add your choice of Tx, Rx and 4S 2200mAh 20C Li-Po.

### F-16s Feature Vectored Thrust Unit!

- 360° Vectored Thrust Unit
- 2750kV Brushless Motor
- Factory Applied Colour Scheme
- ESC and Servos Included



### Ultimate Control

Wingspan:	800mm (31.5")
Length:	1150mm (45.25")
Motor:	2750kV - Included
Radio:	4 + Channel
Servos:	7 x Micro - Included



## F-35 EDF VT ARTF

- 360° Vectored Thrust Unit
- Retracting Undercarriage
- All Servos Included
- High Performance Motor and Fan Included

The menacing lines of the F-35 are faithfully reproduced in stunning detail with this new high performance ARTF EDF jet. Supplied complete with 3000kV brushless motor, high performance 70mm fan, dual axis 360° vectored thrust unit, ESC and all control servos. But it doesn't end there! Also includes retracting undercarriage and factory applied paint scheme with authentic decals.

Simply add Tx, Rx and your choice of 4S 2200mAh 20C Li-Po.

### F-35 Features Vectored Thrust Unit!



Wingspan:	800mm (31.5")
Length:	1200mm (47.25")
Motor:	3000kV - Included
Radio:	7 Channel
Servos:	10 x Micro - Included



A-FR-1101C F-16 EDF VT ARTF - Red, White & Blue .... £179.99  
A-FR-1102C F-16 EDF VT ARTF - Grey Camouflage ..... £179.99  
A-FR-1201C F-35 EDF VT ARTF..... £199.99

## T-38 TALON EDF ARTF

The T-38 Talon ARTF from Freewing not only looks awesome and flies superbly, it represents sensational value too! Manufactured from highly detailed EPS foam and finished in this highly visible factory applied USAF scheme. It includes a powerful 4300kV brushless motor with matching ducted fan unit, ESC and all control servos pre fitted for you. Just add a suitable transmitter, receiver and a Li-Po flight pack (3S 1300mAh 15C recommended)

- 64mm EDF Fan
- 4300kV Motor Included
- High Performance ESC Included
- Servos Included

Wingspan:	650mm (25.6")
Length:	900mm (35.5")
Motor:	4300kV - Included
Radio:	3~4 Channel
Servos:	3 x 9g - Included

**A-FR-6002C**      **T-38 Talon EDF ARTF.....£109.99**

## F-35 MINI EDF ARTF - US FLAG

Sometimes the best things come in small packages....the F-35 Mini EDF is no exception! All the usual Freewing scale detailing is present and correct! It includes a factory installed high performance brushless motor, ducted fan unit, servos and ESC. Just add your Tx, Rx and a 3S 1300mAh Li-Po and you're good to go! With all this power and performance on offer at such a remarkable low price, the only difficulty will be choosing between the two colour options..... or why not have both!

- 3900kV Motor Included
- Servos Included
- High Performance ESC Included
- Factory Applied Scheme

Wingspan:	590mm
Length:	700mm
Motor:	3900kV - Included
Radio:	3 Channel
Servos:	2 x 9g - Included

## F-35 MINI EDF ARTF

Wingspan:	590mm
Length:	700mm
Motor:	3900kV - Included
Radio:	3 Channel
Servos:	2 x 9g - Included

**A-FR-7001C**      **F-35 Mini EDF ARTF..... £99.99**  
**A-FR-7002C**      **F-35 Mini EDF ARTF-US Flag..... £99.99**





**L-39 ALBATROS EDF ARTF**

One of the most popular jets, and with good reason! Purposeful lines, stunning performance and a simply amazing specification make this L-39 Albatros completely irresistible. Factory finished in the famous Breitling colours and supplied complete with a high performance 64mm ducted fan with a perfectly matched 4300kV brushless motor. Includes factory fitted servos and ESC. All you need is a suitable transmitter, receiver and flight pack (3S 1800mAh 15C recommended). For intermediate to advanced pilots.

- 4300kV Brushless Motor Included
- High Performance ESC Included
- Factory Installed Servos
- Famous Breitling Scheme

Wingspan:	800mm (31.5")
Length:	960mm (37.8")
Motor:	4300kV - Included
Radio:	4 Channel
Servos:	4 x 9g - Included



**A-FR-3001C L-39 Albatros EDF ARTF.....£99.99**

**F-15 EDF ARTF - ADVERSARY**

The legendary F-15 Eagle superbly modelled by the EDF experts at Freewing. With a host of scale features including a factory applied colour scheme, crisp panel lines and cockpit detailing, the F-15 is real treat for EDF jet enthusiasts. And with a choice of power and colour options, this bird just gets better and better! The Blue Camo version is perfect for use with 3S Li-Po flight packs, or for the power hungry, virtually unlimited performance can be achieved with the 4S Li-Po Adversary version! Just add Tx, Rx and a suitable Li-Po flight pack. Which one will you choose?

**F-15 EDF ARTF - BLUE CAMOUFLAGE**

- High Performance Brushless Power
- Factory Fitted Servos
- Pre-Painted and Decaled

Wingspan:	740mm (29")
Length:	1100mm (43.3")
Motor:	3500kV - Included
Radio:	4 Channel
Servos:	5 x 9g - Included



Wingspan:	740mm (29")
Length:	1100mm (43.3")
Motor:	4300kV - Included
Radio:	4 Channel
Servos:	5 x 9g - Included

**A-FR-8001C F-15 EDF ARTF - Blue Camouflage.....£129.99**

**A-FR-8002C F-15 EDF ARTF - Adversary .....£149.99**

## SU-34 EDF VT ARTF - GREEN

Topping the extensive range of EDF jets from Freewing is the awesome SU-34 EDF VT. This has to be the best specified electric jet in its class!

Features 2 x 3500kV brushless motors, 2 x 70mm ducted fans, 2 x high performance ESCs, 2 x 180° vectored thrust units, retracting undercarriage and no less than 11 factory installed servos. As you might expect, the performance on offer is also top-of-the-line, with speed and manoeuvrability to satisfy even the most demanding jet pilot. Available in a choice of two authentic schemes, perfect for use with your choice of Tx, Rx and 4S 3000mAh Li-Po flight pack.

**Ultimate Control**



Wingspan:	900mm (35.5")
Length:	1450mm (57")
Motor:	2 x 3500kV
Radio:	6~7 Channel
Servos:	11 x 9g - Included

**SU-34s Feature Twin Vectored Thrust Units!**

## SU-34 EDF VT ARTF - BLUE

- 2 x Brushless Motors
- 11 Factory Fitted Servos
- 2 x Vectored Thrust Units
- Awesome Performance

Wingspan:	900mm (35.5")
Length:	1450mm (57")
Motor:	2 x 3500kV
Radio:	6~7 Channel
Servos:	11 x 9g - Included

A-FR-9001A	SU-34 EDF VT ARTF-Green Camouflage... £274.99
A-FR-9002A	SU-34 EDF VT ARTF-Blue Camouflage..... £274.99

## F6F HELLCAT ARTF



The iconic F6F Hellcat accurately brought to life in this delightful 980mm (38.5") span model. Crafted from lightweight and highly detailed foam, the Freewing F6F Hellcat comes complete with factory fitted brushless motor, ESC, scale three blade propeller and four pre-installed servos. Supplied in this classic Naval scheme, just add Tx, Rx and a 3S 1300mAh Li-Po.

**Flies Superbly!**

- Three Blade Propeller
- Factory Installed Servos
- Authentic Naval Scheme

Wingspan:	980mm (38.5")
Length:	800mm (31.5")
Motor:	1250kV - Included
Radio:	4 Channel
Servos:	4 x 9g - Included

A-FR-4001C	F6F Hellcat EP ARTF.....£99.99
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**REACTOR 3D ARTF**

It's the ARTF that's capable of all types of flight! The Reactor 3D is the most versatile aircraft ever conceived - because it was engineered that way from the start. It performs equally well in extreme 3D, precision/pattern and Sunday sport flying; all with either the power of a glow engine or brushless electric motor. It's the best of both worlds - a sleek, modern design but with conventional built-up, all-wood construction.

- A low parts count means that the Reactor 3D can be flight ready in as little as 5-6 hours
- The Reactor 3D's ultra-thin (9%) airfoil allows easy transition in and out of high alpha flight
- Exceptionally wide speed range - it can fly slow on demand, but is also capable of speeds that similar models can't come close to
- Fly with your choice of a glow engine or brushless electric motor!
- The wing panels are removable for easy transportation



Wingspan:	1475mm (58")
Length:	1500mm (59")
Engine:	.46~.51 2 Stroke .70 4 Stroke or Electric: KMS Quantum 4120/05
Radio:	4 Channel with 4~5 Servos

**A-GPMA1021 Reactor .46~.70/Brushless EP 3D ARTF.....£284.99**

**EXTRA 300SP 3D ARTF**

This next generation Extra features large-scale performance from a .40 size airframe.

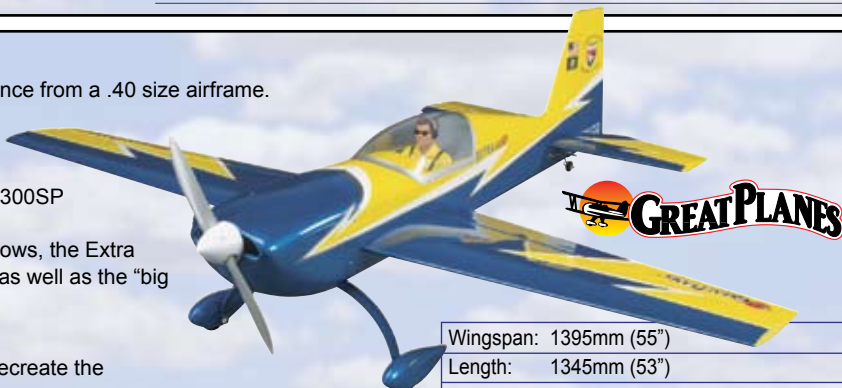
Created using cutting-edge design and construction techniques, with in-built glow or electric versatility.

Outstanding manufacturing quality, parts fit and prefabrication ensure that the Performance Series Extra 300SP can be flight ready in about 6-8 hours.

With its large, airfoiled control surfaces and generous throws, the Extra 300SP handles hovers, inverted harriers and knife edge as well as the "big ones". Large radio bay simplifies installation and set-up.

- Choice of glow or electric powerplants (not included)
- Factory painted fibreglass cowl and wheel spats help recreate the appearance of the full-size German aerobat
- Two-piece wing simplifies transport and storage

**A-GPMA1022 Extra 300SP .46~.81/ B/L EP 3D ARTF.....£274.99**



Wingspan:	1395mm (55")
Length:	1345mm (53")
Engine:	.46~.55 2 Stroke .52~.81 4 Stroke
Motor:	KMS Quantum 4120/05 or /06
Radio:	4~5 Channel with 4~5 Servos

**MATT CHAPMAN EAGLE 580 EP ARTF**

Matt Chapman's famous Eagle 580 Unlimited Class aerobat now rules the R/C flying field as a 50" span electric model! State-of-the-art construction and prefabrication have resulted in an ARTF thrill-seeker that stands out from the rest - in both looks AND performance!

An ultra-light airframe and airfoiled control surfaces offer precision tracking and incredible agility. The wing tube joiner is made of carbon fibre. It aligns the wing automatically and allows for easy transport to and from the field. Powerful magnets hold the one-piece canopy/battery hatch securely in place.

- Ultra-light airframe and airfoiled control surfaces
- Two piece wing with carbon joiner



Wingspan:	1270mm (50")
Length:	1215mm (47.75")
Radio:	4 Channel with 4 Servos
Motor:	KMS Quantum 2826/06

**A-GPMA1573 Matt Chapman Eagle 580 50" EP ARTF .....£199.99**

**ESCAPADE SPORT ARTF**

A pilot may own many planes, but there's always one that stands out as the all-time favourite. And that's what the Escapade was meant to be. A perfect choice for any pilot who's mastered a basic trainer, the Escapade will inspire confidence with its easy handling and solid aerobatic performance. Fully illustrated instructions ensure that assembly is a breeze and can be completed in the minimum time. With mounts for both glow and electric power included, the versatile Escapade is sure to become your all-time favourite!

- Assembles in just 4-6 hours - and excels with 2 Stroke, 4 Stroke or brushless power!
- Ailerons can be set up for single-servo simplicity or dual servo authority with no modification
- Easy-access Li-Po battery hatch



Wingspan:	1340mm (52.5")
Length:	1160mm (46")
Engine:	.40~.55 2 Stroke or .52~.70 4 Stroke
Motor:	KMS Quantum 4120/05
Radio:	4 Channel with 3~5 Servos

**A-GPMA1200 Escapade .40~.56 Low Wing Sport ARTF.....£124.99**



## FOKKER D.VII EP ARTF

You don't find many park flyer-size wooden electric ARTF models of WWI aircraft. And none can match the design expertise that gives ElectriFly's lightweight, built-up balsa/ply Fokker D.VII its outstanding flight performance.

Just like the full-size that was the nemesis of allied air forces in WWI, this prebuilt park flyer is a spirited performer. Sized for easy transport, it utilises brushless motor power (not included) that allows for long flight times and exceptional manoeuvrability. And, because the Fokker D.VII park flyer is an ARTF, the high-quality, laser-cut wood parts assemble quickly and easily.

- Factory built balsa/ply structures
- High-quality film covering
- Realistic machine guns, vacuum-formed cowl and scale wheels
- Comprehensive lightweight hardware package



Pilot figure included!

Wingspan:	914mm (36")
Length:	685mm (27")
Motor:	KMS Quantum 2122/12
Radio:	4 Channel with 4 Servos

**A-GPMA1141 Fokker D.VII WWI Biplane EP ARTF .....£114.99**

## FOKKER DR.1 EP ARTF

The Fokker DR.1 will be forever tied to the famous Rittmeister Baron Manfred von Richthofen...the Red Baron. This ARTF park flyer version takes advantage of breakthroughs in electric power for long flight times - and, like its inspiration, dogfight-winning manoeuvrability. Built much like larger models, the airframe is constructed of balsa and plywood materials with the main structures factory covered in high quality film. The scale-shaped landing gear with an airfoiled centre section, hand-crafted machine guns and vacuum-formed replica radial engine all combine to enhance the Fokker DR.1's already impressive appearance.

- Performs realistic WWI aerobatics - spins, rolls, loops, Immelmans & more!
- Perfectly suited for flying at a local field or nearby park
- Can stay in one piece for transport in most vehicles
- Lightweight hardware package included



Pilot figure included!

Wingspan:	745mm (29.5")
Length:	600mm (23.5")
Motor:	KMS Quantum 2122/12
Radio:	4 Channel with 4 Servos

**A-GPMA1142 Fokker DR.1 WWI Triplane EP ARTF .....£114.99**

## SPAD XIII EP ARTF

Vintage air combat meets park flyer convenience in the compact ARTF ElectriFly SPAD XIII. The fullsize SPAD XIII was admired for its ruggedness, speed, firepower and diving ability. You'll find plenty to admire in the ElectriFly sport-scale model too! With its ability to turn sharply and change direction quickly, it's perfectly suited for flying at your local field or in a nearby park. This quality ARTF features built-up wooden structures covered in a high-quality film with an ingenious system of cabanes that automatically aligns the top and bottom wings perfectly.

- Pilot figure and machine guns included
- Assembles in only 6-8 hours
- Factory applied decals
- Comprehensive lightweight hardware pack



Pilot figure included!



Wingspan:	865mm (34")
Length:	685mm (27")
Motor:	KMS Quantum 2212/12
Radio:	4 Channel with 4 Servos

**A-GPMA1143 SPAD XIII WWI Biplane EP ARTF.....£149.99**

## SOPWITH CAMEL EP ARTF

Britain's Front-Line Fighter has returned.....and ElectriFly has made it worth the wait. The Sopwith Camel EP ARTF can be flight-ready in just 6-8 hours, thanks to built-up, MonoKote covered balsa structures. Its machine gun and factory-applied decals adds further scale interest. And best of all, the Camel's compact size makes it easy to transport to your favourite field or park. Though compact enough to transport without disassembly, this delightful model will please any WWI fighter enthusiast. Fly a classic front-line fighter today with the Sopwith Camel ARTF.

- Built-up balsa structure
- MonoKote film and factory-applied decals
- Realistic replica engine
- Comprehensive lightweight hardware pack



Pilot figure included!

Wingspan:	900mm (35.5")
Length:	630mm (25")
Motor:	KMS Quantum 2122/12
Radio:	4 Channel with 4 Servos

**A-GPMA1144 Sopwith Camel WWI Biplane EP ARTF .....£124.99**



## EAGLE 580 GIANT CHAPMAN ARTF

There's no mistaking Matt Chapman's Embry-Riddle aircraft, and there's no closer match to it in looks and performance than the Great Planes 1/3 scale Eagle 580 ARTF! All airframe materials meet the demands of all-out performance with the best in lightweight strength. The Eagle 580 ARTF features many fibreglass parts including the landing gear, cowl and wheel spats. Designed for a servo for each elevator half and dual servos for the rudder and ailerons provide swift, powerful response. The all-up weight has been optimised to a mere 24~28 pounds for simply outstanding levels of flight performance. The immense canopy doubles as a quick-access hatch to the wing panel bolts and onboard radio equipment. Scale cockpit details include a factory-installed instrument panel and a superb fibreglass pilot bust. The wing tube is made from high-quality aircraft aluminium, with stabiliser tubes manufactured from high grade carbon fibre - a stress resistant feature that also ensures easier CG balancing.

**A-GPMA1286 Eagle 580 Giant Chapman ARTF.....£1,149.99**



**Massive  
1/3 Scale!**

**GREAT PLANES**

Wingspan:	2540mm (100")
Length:	2440mm (96")
Radio:	6 + Channel with 10 Servos
Petrol Engine:	85cc~100cc

- Complete set of hardware custom-designed for giant-scale flight
- Two-piece wing and stab for easy transport
- Double-beveled control surfaces

## P-47 THUNDERBOLT ARTF

This sport-scale model captures the P-47's menacing looks in a high quality ARTF design. Features built-up and covered balsa/ply main assemblies (with factory-hinged control surfaces) and painted fibreglass parts. Includes fixed wire landing gear and mounting components for both glow and electric power options. Also includes laser cut parts for easily mounting your on-board gear. Accessing the flight battery in an electric set-up is as simple as removing the magnetic hatch - you don't have to remove the wing!

- Durable balsa/ply construction
- Glow/electric option
- Comprehensive hardware pack

Wingspan:	1005mm (39.5")
Length:	865mm (34")
Radio:	4 Channel with 4~5 Servos
Motor:	KMS Quantum 2850/05
Engine:	.25 2 Stroke



**GREAT PLANES**

**A-GPMA1479 P-47 Thunderbolt .25/EP ARTF .....£139.99**

## REACTOR BIPE EP ARTF

Accomplished pilots know that most planes designed for 3D manoeuvres do not transition well into precision/pattern flying. But the Reactor Bipe is not like most planes. It's slightly larger and stronger than a park flyer, so it tracks better, especially in windy conditions. It also offers fresh perspectives in prefabrication which enhance assembly ease and overall quality of construction.

- Highly prefabricated with a dazzling, original trim scheme
- Loaded with top-quality fibreglass parts and composite hardware
- One of the best 3D/precision aircraft ever engineered!

**A-GPMA1580 Reactor Bipe E-Performance 3D ARTF..... £199.99**



**GREAT PLANES**

Wingspan:	890mm (35")
Length:	1080mm (43")
Motor:	KMS Quantum 2814/06
Radio:	4~5 Ch. with 4 Micro Servos

## EDGE 540 EP ARTF

The original appears only at air shows, but you can take this compact performer virtually anywhere. The bold, clean profile is ready for crowd appreciation and the performance is star-quality, from predictable sport aerobatics to startling 3D stunts. The cowl installs easily with powerful magnets that leaves its bold, clean lines unmarked and intact! The Edge 540 is already compact, but a 2-piece wing design makes it even easier to take along. Each wing panel slides onto a carbon fibre joiner tube, and attaches with a single hex-head screw!

- Two piece wing with carbon joiner
- 4~6 hour assembly time

**A-GPMA1550 Edge 540 3D EP ARTF.....£139.99**



**GREAT PLANES**

Wingspan:	1040mm (41")
Length:	1005mm (39.5")
Motor:	KMS Quantum 2212/09
Radio:	4 Channel with 4 Servos



## SU-31 EP ARTF

The SU-31's cutting-edge manoeuvres and astounding aerobatics have made it an air show superstar for almost two decades. An eye-catching MonoKote trim scheme and compact size are sure to do the same for this E-Performance Series ARTF. Combines traditional built-up construction with the benefits of brushless power for truly amazing levels of flight performance! The SU-31 is already compact and easy to carry, but a 2-piece wing design makes it even easier to take along. An easy access hatch simplifies installation and removal of power packs.

- Compact & easy to take along to the flying field or the local park
- Easy access battery hatch
- Lightweight hardware pack

**A-GPMA1547 SU-31 3D EP ARTF.....£149.99**



Pilot figure not included



Wingspan:	1040mm (41")
Length:	965mm (38")
Radio:	4~5 Ch. with 4 Micro Servos
Motor:	KMS Quantum 2212/09

## REALFLIGHT R/C FLIGHT SIMULATOR BASIC

You're on a budget, but demand a 'proper' flight simulator. RealFlight Basic is the perfect no-frills system to get you started! It's RealFlight quality – scaled down, with no bells or whistles. RealFlight Basic features an easy to use menu system with an excellent variety of aircraft and PhotoField sites to choose from. With excellent graphics and physics this is the economical alternative with RealFlight performance! Supplied complete with a hobby quality controller.

**Choose from six flying sites!  
With razor-sharp PhotoField detail!**

**Check out the impressive list of models available to fly!**

**Aircraft:** ElectriFly Edge 540T EP 3D XLC, ElectriFly E-Performance, Series Reactor Bipe, ElectriFly Matt Chapman Eagle 580, Great Planes 38%, Extra 330S, Krill 39% Katana, Ultimate Biplane, Yak 54, ElectriFly Sequence F3A 50, ElectriFly Slinger, Great Planes Big Stik, Great Planes Revolver, Great Planes Super Sportster, AirfoilZ Extra 260 Hybrid, ElectriFly Pluma 3D Biplane, ElectriFly Yak 54 3D Indoor EP, ModelAero AeroCat E-Jet, Hobbico Upstar 2M EP, Hotliner, AT-6 Texan, ElectriFly Fokker D.VII, Great Planes PT-17 Military Stearman, P-51D Mustang, Piper J-3 Cub, RealFlight Airliner, Spitfire .25, FlyZone SkyFly 2, Hobbico NexStar, Hobbico NexStar EP, Douglas A-4 Skyhawk, F-86 Super Sabre, Harrier, L-39 Albatros, AR-6 Endeavor, F5D Pylon Racer, Gee Bee R-2

**Helicopters:** Align T-Rex 500 EP, Heli-Max Axe EZ, Heli-Max Novus CP, Miniature Aircraft X-Cell Furyon 450, Ecureuil, Robinson R22, Impala .30, Dolphin 3D (.46), Dominion 3D, Miniature Aircraft Stratus 90, Synergy N9, Thunder Tiger Raptor 90SE

## QuickSelect



**Fly 47 different aircraft!**

## PhotoField Flying Sites:

Evergreen Airport, Gold Country Aeromodeler Park, Grass Flatlands, Great Planes E-Fest, Stone Creek Field, Superstition Airpark

**The Perfect 'No-Frills'  
System for the Budget  
Conscious Pilot!**

## Minimum System Requirements:

Windows® XP, Windows® Vista™ or Windows 7, Intel® Pentium® 1.0GHz or equivalent, 512 MB RAM, 1 GB Hard Drive Space, DVD Drive, 3D Accelerated Graphics Card with full DirectX 9 support and 32 MB of dedicated video memory, USB Port



**A-GPMZ4225 RealFlight Basic Mode 2.....£74.99**  
**A-GPMZ4226 RealFlight Basic Mode 1.....£74.99**

Compatible with Windows™ XP, Windows™ Vista™ and Windows™ 7



**NOW WITH  
COMBAT  
EVENTS**

# REALFLIGHT

R/C FLIGHT SIMULATOR

# G5

The world's most advanced R/C flight simulator, RealFlight delivers such amazing accuracy and realism that it doubles as the finest R/C flight training tool available. And now, RealFlight goes beyond its famous "at the field" accuracy to also offer Combat Events — like Streamer Cutting, Paintball, Rocket Launching, Machine Guns and more! Take a break from "serious" flying and test your manoeuvring expertise in a little game-style fun with friends. Activate your Targeting System — and track a single opponent through such chilling virtual worlds as a post apocalypse landscape. View each others' profiles to compare points. Use your own headsets to chat live while the battle rages!

**Packed  
with new  
features!**

- Targeting System - Select a single opponent from any number of participants and track his movement throughout the virtual Combat arena
- Fly with other RealFlight pilots using Multiplayer. Hook up with an instructor from your club — or on the other side of the world!

- First Person Video (FPV) another RealFlight R/C simulator first! FPV puts you in the pilot's seat, experiencing your simulated flight as you would from inside the cockpit.
- You control every aspect of the flying sites and aircraft. Change the wingspan, modify airfoils, add cameras, alter trim schemes, convert from glow to electric power and more.



### Optimum System Requirements:

- Dual Core 2.4GHz CPU • 2GB RAM • USB Port
- 512MB dedicated video memory Pixel Shader 3.0 support
- Windows™ XP, Windows™ Vista® or Windows™ 7



### Multiplayer Profiles



### Interlink Controller

The multi-patented, easy to use InterLink Elite is also the most versatile flight sim controller you've ever seen. It's designed after Futaba's popular 6EX — complete with digital trims! Prefer to use your own R/C transmitter? The interface you need is already built-in!



### A-GPMZ4445

RealFlight G5 Mode 2 Tx ..... £179.99



### REALFLIGHT EXPANSION PACK 6

Every opportunity for adventure is inside... all you have to do is seize one! They stretch from a tiny, 7.5" span indoor flyer to the Convair Sea Dart - the only seaplane ever to break the sound barrier. Power options range from electric nano hells to glow or electric sport planes, to petrol-powered giants. And, Aircraft choices include all of the above, plus a .90 glow hell, the world's first jet fighter, a delta-winged "bullet" and a rotary-wing fighter with gear-mounted cannon.

#### Includes

- 12 New Aircraft • 3 New Flying Sites
- 5 New Helicopters • 1 Aerostat

(Requires RealFlight G4 or later versions)

A-GPMZ4116 RealFlight Exp.Pack 6 - G4/G4.5..... £29.99

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## F-5E CAMOUFLAGE EDF ARTF

A striking model of the F-5E, designed by StarMax to offer you stunning flight performance combined with quick and easy assembly. This quality ARTF model is supplied complete with 6 x nine gram servos, 70mm hi-performance fan assembly, efficient brushless motor and matching electronic speed controller, all pre-installed! Capable of accurate rolls, huge loops, and inverted flight, with excellent thrust levels on your choice of 4S 2500mAh Li-Po. With the vast majority of the work already done at the factory, you'll be heading for the skies in no time!

- Factory Installed Servos
- Efficient Brushless Motor
- High Performance ESC
- Optional Retracts Available

Wingspan:	760mm (30")
Length:	1312mm (51.6")
Motor:	2836 Brushless - Included
Radio:	4~5 Channel
Servos:	6 x 9g - Included



**StarMax**

**A-STAD03C StarMax F-5E (Camo) EDF ARTF ..... £194.99**

## F-22 RAPTOR EDF ARTF

Instantly recognisable, the amazing F-22 Raptor has been brought to life as a high performance EDF model by StarMax. Manufactured from lightweight durable foam, this model includes a factory fitted 70mm fan assembly with a perfectly matched hi-performance brushless motor and ESC. Not a model for the beginner, the F-22 Raptor offers blistering performance that will delight any experienced pilot. Perfect for use with your choice of 6 channel Rx and 14.8V 2200mAh Li-Po flight battery. Complete with comprehensive assembly instructions.

**StarMax**

- High Performance EDF Jet
- Brushless Motor Included
- ESC Included
- Factory Fitted Servos

Wingspan:	693mm (27.25")
Length:	1000mm (39.37")
Motor:	2836 Brushless - Included
Radio:	4+ Channel
Servos:	4 servos - Included



**Minimum Final Assembly Time!**

**A-STAD12B StarMax F-22 Raptor (Grey) EDF ARTF...£174.99**

## A-10 EDF ARTF

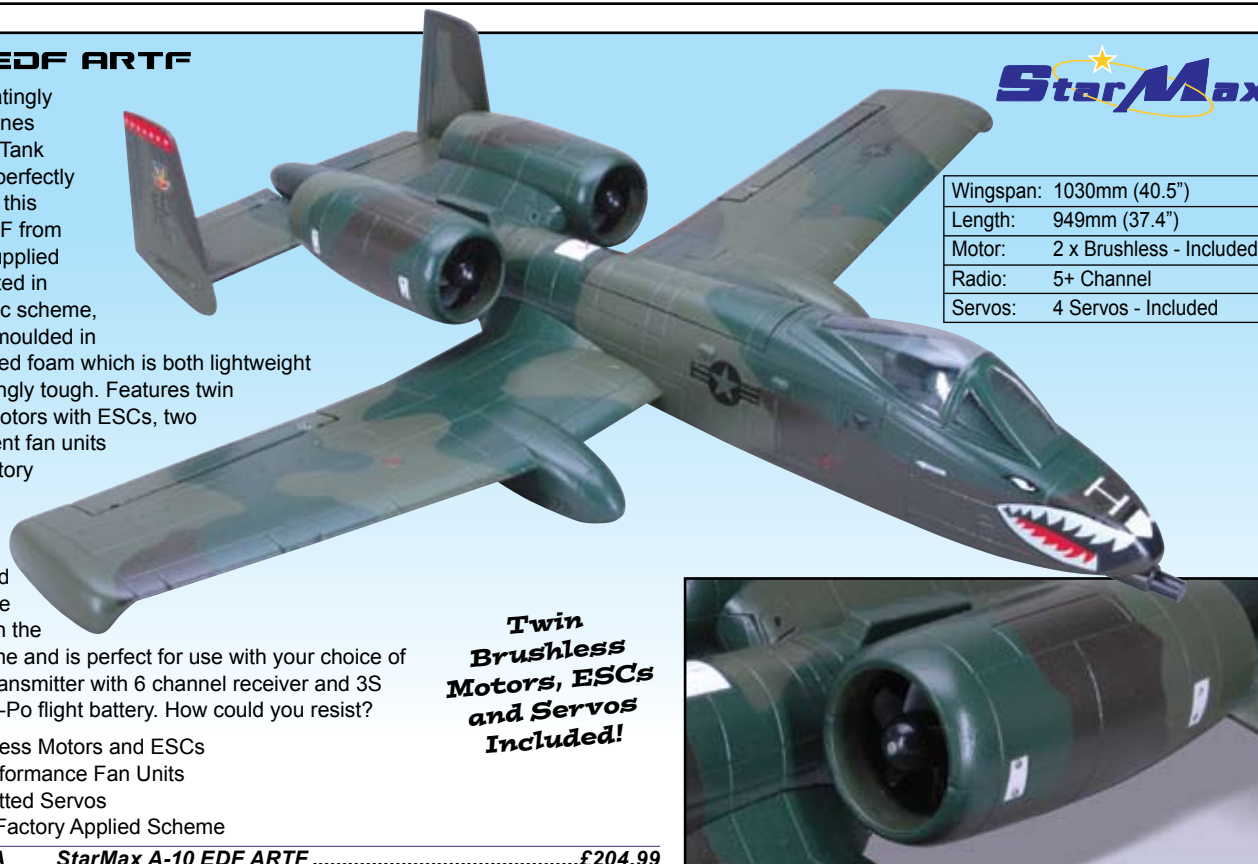
The devastatingly purposeful lines of the A-10 'Tank Buster' are perfectly recreated in this fantastic EDF from StarMax. Supplied factory painted in this authentic scheme, the A-10 is moulded in highly detailed foam which is both lightweight and surprisingly tough. Features twin brushless motors with ESCs, two highly efficient fan units and four factory fitted servos. This highly prefabricated ARTF can be completed in the minimum time and is perfect for use with your choice of 5 channel transmitter with 6 channel receiver and 3S 2200mAh Li-Po flight battery. How could you resist?

- 2 x Brushless Motors and ESCs
- 2 x Hi-Performance Fan Units
- Factory Fitted Servos
- Accurate Factory Applied Scheme

**Twin Brushless Motors, ESCs and Servos Included!**

**StarMax**

Wingspan:	1030mm (40.5")
Length:	949mm (37.4")
Motor:	2 x Brushless - Included
Radio:	5+ Channel
Servos:	4 Servos - Included



**A-STAD14A StarMax A-10 EDF ARTF .....£204.99**



## F/A-18C HORNET 90 EDF ARTF

An impressive 90mm fan version of the F/A-18C fighter that delivers impressive performance with solid, stable flight characteristics. Even using a 5S Li-Po battery, the performance is enough to get the adrenaline going...but with 6 cells, you have a real 'hot ship' on your hands!

**Motor, ESC  
and Servos  
Included!**

Wingspan:	1041mm (41")
Length:	1430mm (56.3")
Motor:	3670 Inrunner - Included
Radio:	5+ Channel
Servos:	8 x Micro - Included

Moulded in lightweight EPS foam, factory assembled and then factory painted in this fabulous 'Red Viper' colour scheme. Supplied complete with powerful 3670 brushless motor, 75A opto ESC, all servos pre-installed and on top of that there is a full set of mechanical retracts with each leg operated by its own servo. For those that like their 'hardware', the F/A-18C has a full complement of removable tanks and missiles.

**Retracts  
Included!**

**A-STAD15C StarMax F/A-18C Hornet 90 EDF ARTF... £324.99**

**StarMax**



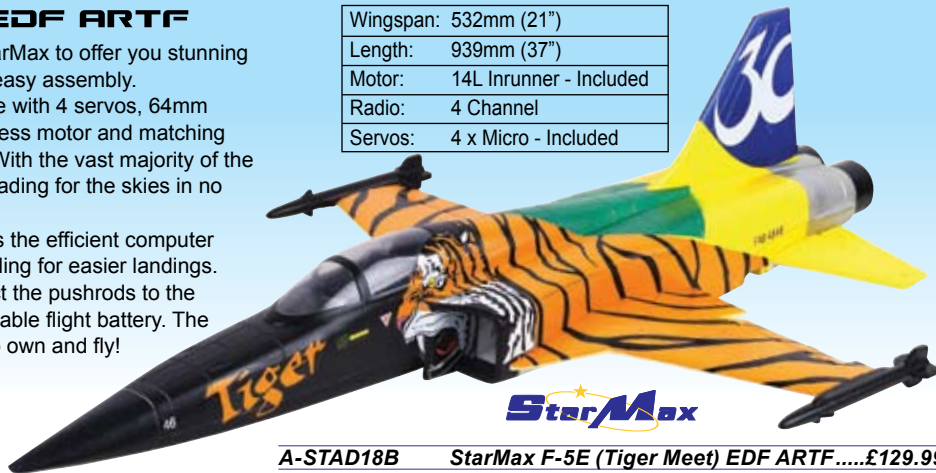
## F-5E (TIGER MEET) EDF ARTF

A striking model of the F-5E, designed by StarMax to offer you stunning flight performance combined with quick and easy assembly. This quality ARTF model is supplied complete with 4 servos, 64mm hi-performance fan assembly, efficient brushless motor and matching electronic speed controller, all pre-installed! With the vast majority of the work already done at the factory, you'll be heading for the skies in no time!

The F-5E will delight any experienced pilot as the efficient computer enhanced wing design aids slow speed handling for easier landings. Simply glue on the wings, tail and fin, connect the pushrods to the control surfaces and fit your receiver and suitable flight battery. The F-5E is a stunning model you will be proud to own and fly!

- Accurate Scale Appearance
- Computer Designed Aerofoil Section for Excellent Flight Performance
- Comprehensive Assembly Instructions

Wingspan:	532mm (21")
Length:	939mm (37")
Motor:	14L Inrunner - Included
Radio:	4 Channel
Servos:	4 x Micro - Included



**A-STAD18B StarMax F-5E (Tiger Meet) EDF ARTF.....£129.99**

**StarMax**

## F-117A STEALTH EDF ARTF

An incredible model of the Lockheed F-117A Nighthawk stealth ground attack aircraft formerly operated by the United States Air Force. Moulded in durable and highly detailed foam, the F-117A includes a powerful brushless motor coupled to an efficient custom fan unit that provides excellent levels of thrust. Supplied complete with factory fitted ESC and 6 servos this fantastic model also features retracting undercarriage for even greater realism once airborne. A terrific choice for the experienced pilot, the F-117A is perfect for use with your favourite 6 channel Rx and 4S 2200mAh Li-Po flight battery.

- Retracting Undercarriage
- Powerful Brushless Motor
- Efficient Ducted Fan Unit
- 6 Factory Fitted Servos

**A-STAD21A StarMax F-117A Stealth EDF ARTF..... £TBA**

Wingspan:	734mm (29")
Length:	1100mm (43.25")
Motor:	2836 Brushless - Included
Radio:	5~6 Channel
Servos:	6 Servos - Included



**StarMax**

## CESSNA 182 ARTF 2.4GHZ

An amazingly accurate scale model of one of the all time favourite light aircraft of the 20th Century. Moulded in durable EPO foam to help re-create those compound fuselage curves as well as the characteristic ribbing on the ailerons, elevators and fowler flaps, this is a model to admire as well as fly!

Supplied factory assembled and almost ready to fly, the

Cessna 182 comes complete with four servos (elevator, ailerons, rudder and flaps), a powerful brushless motor and ESC, high quality 2.4GHz transmitter and a matching, full-range receiver. The model also includes a full complement of lights - two wing top lights, wing tip nav lights, a fin light and a powerful landing light - all controlled by a single electronic unit running off the flight battery. Requiring only a low-cost 3 cell 1600mAh Li-Po to fly, the Cessna 182 is exceptional value for money.

**A-STM020A ST Model Cessna 182 EP ARTF 2.4G..... £174.99**



**Motor, ESC  
and 2.4GHz  
Radio  
Included!**

**Working Lights  
Included!**

Wingspan:	1206mm (47.5")
Length:	960mm (37.8")
Radio:	5 Channel with 4 Servos - Included
Motor:	Brushless - Included

## ASW28 EP ARTF 2.4GHZ

A semi-scale model of one of the most beautiful sailplanes flying in the world today. Even the characteristic curved wingtips are there and contribute to its amazing low speed performance. This model will stay aloft on the merest whiff of lift and will respond positively to all elevator, aileron and rudder inputs. Climb from the perfectly matched motor and folding propeller is amazing for the small battery we recommend and power on flight times can exceed 15 minutes. Get some lift and it could be way more!

Supplied with brushless motor, folding propeller, ESC, quality 2.4GHz transmitter with matching receiver and servos ready fitted. All you have to do is install a 1000mAh 2 cell Li-Po and you're just about ready to go! Even the assembly of the main airframe parts can be done in less than two minutes.



Wingspan:	2000mm (78.74")
Length:	880mm (34.6")
Radio:	4 Channel with 4 9g Servos - Included
Motor:	Brushless - Included

- Moulded in Crash Resistant EPO Foam
- Powerful Brushless Motor Included
- Factory Installed 2.4GHz Radio with 4 x 9g Servos
- Assembly Takes only Two Minutes!

**A-STM010A ST Model ASW28 EP ARTF 2.4G.....£144.99**

## DG1000 EP ARTF 2.4GHZ

If you fancy something that is truly unique and stylish then the ST Model DG1000 could be the model for you. Based on the classic DG1000 glider, this gorgeous model is accurately moulded in impact resistant EPO foam with carbon reinforcement. All servos and linkages are factory installed... Just bolt on the tail and the assembly is done!

Now we come to the clever bit! Not only do you get a powerful brushless motor, propeller and ESC as standard, you get a unique motor retraction system to fold it away into the fuselage when it's not required!



**Motor and ESC  
Included!**

**Retracting  
Power  
System!**

- Crash Resistant EPO Foam
- Powerful Brushless Motor
- Quick to Assemble
- 2.4GHz R/C Factory Installed

**2.4GHz Radio  
Included!**

Wingspan:	2010mm (79.1")
Length:	970mm (38.2")
Radio:	5 Channel with 5 Servos - Included
Motor:	Brushless - Included

**A-STM030A ST Model DG1000 EP ARTF 2.4G.....£194.99**





**ST MODEL**

**Working Lights!**

Wingspan:	1210mm (47.6")
Length:	835mm (32.9")
Radio:	3 Servos - Included
Motor:	1120kV - Included

The time from out of the box and into the air will be limited by how long it takes to charge a battery... assembly is that fast!

With a superb semi-scale shape, the new ST Model J-3 Cub can be assembled in minutes, thanks to the factory installation of the motor, ESC, servos and cables. If you choose the 2.4G version, it's supplied with a quality 2.4GHz transmitter and factory installed receiver too! All you need is a Li-Po flight battery and charger to complete.

- Scale details include moulded surface features, sprung undercarriage and full set of working lights.
- A spritely performance guaranteed with your choice of inexpensive 950mAh Li-Po battery

**2.4G version supplied complete with quality 2.4GHz transmitter and receiver!**

A-STM040	ST Model Piper Cub EP ARTF .....	£114.99
A-STM040A	ST Model Piper Cub EP ARTF 2.4G .....	£164.99



**ST MODEL**

**mx2**

If you've been looking for a sports aerobatic model with a semi-scale outline and terrific performance, you've just found it! Supplied complete with powerful brushless motor, ESC and servos, it assembles in just 30 minutes and offers almost unlimited vertical performance with a 3 cell 2100~2500mAh Li-Po!

Like all ST Model aircraft, the airframe is moulded in tough EPO foam, making it just as practical as it is fun. Available in two versions - receiver ready or complete with 2.4GHz transmitter and matching receiver already installed.

**920kV Brushless Motor**  
**30A Brushless ESC**  
**12" x 5" Propeller**  
**4 All-New Quality Servos**  
**All Included!**

Wingspan:	1210mm (47.6")
Length:	1106mm (43.5")
Radio:	4 Servos - Included
Motor:	920kV - Included

**Almost Ready to Fly!**

**3D AEROBATIC**

**Tough EPO Foam Construction**

**2.4G version supplied complete with quality 2.4GHz transmitter and receiver!**

A-STM050	ST Model MX2 EP ARTF .....	£119.99
A-STM050A	ST Model MX2 EP ARTF 2.4G .....	£169.99

## FOX EP ARTF

Based on one of the most aerobatic gliders in the world, this ST Model version is equally capable, with its powerful, factory-installed brushless outrunner motor providing plenty of performance. Like all ST Model aircraft, the Fox is moulded in tough EPO foam and finished to a very high standard.



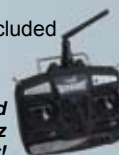
From opening the box to having the model ready to fly can take as little as 15 minutes! The longest job is applying the decals! Supplied with all servos installed and with a factory fitted ESC, it's available receiver-ready or ready to fly with a factory installed 2.4GHz receiver and quality transmitter.

**ST MODEL**

Wingspan:	1800mm (70.9")
Length:	880mm (34.6")
Radio:	4 Servos - Included
Motor:	Brushless - Included

- Flight Ready in Under 15 Minutes
- Powerful Brushless Motor & ESC Included
- Custom Folding Propeller Included
- 4 x 9g Servos Included

**2.4G version supplied complete with quality 2.4GHz transmitter and receiver!**



<b>A-STM060</b>	<b>ST Model Fox EP ARTF .....</b>	<b>£104.99</b>
<b>A-STM060A</b>	<b>ST Model Fox EP ARTF 2.4G .....</b>	<b>£154.99</b>

## FOX GLIDER ARTF

**Tough EPO Foam Construction**

**ST MODEL**

Wingspan:	1800mm (70.9")
Length:	880mm (34.6")
Radio:	5 Servos - Included

<b>A-STM070</b>	<b>ST Model Fox ARTF Glider.....</b>	<b>£89.99</b>
<b>A-STM070A</b>	<b>ST Model Fox ARTF Glider 2.4G .....</b>	<b>£144.99</b>

**Includes Tow Release!**

The ST Model Fox Glider is a perfect for either slope soaring or flat field use. The tough EPO foam construction makes it a great choice for operation from those less than perfect flying sites. Includes 5 pre-installed servos and a factory fitted tow release as standard.

Also available complete with quality 2.4GHz transmitter and receiver.



## CESSNA 350 ARTF

**2.4G version supplied complete with quality 2.4GHz transmitter and receiver!**

- Brushless Motor & ESC - Included
- Factory Fitted Servos
- Fully Functioning Fowler Flaps
- Working Lights

**ST MODEL**

Wingspan:	1435mm (56.5")
Length:	970mm (38.2")
Motor:	1320kv Brushless - Included
Radio:	4 Servos - Included

<b>A-STM080</b>	<b>ST Model Cessna 350 ARTF .....</b>	<b>£134.99</b>
<b>A-STM080A</b>	<b>ST Model Cessna 350 RTF 2.4G .....</b>	<b>£184.99</b>

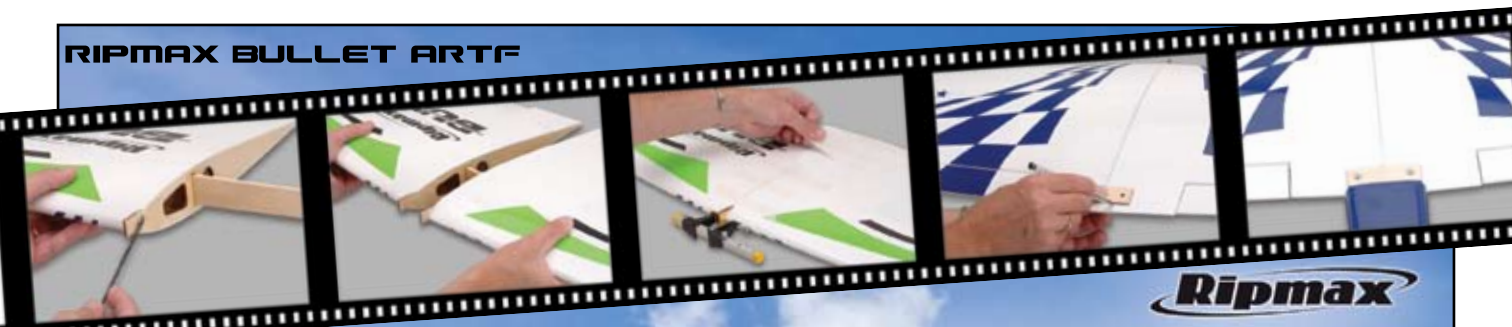
The ST Model Cessna 350 combines graceful elegance with spritely performance and forgiving manners. Accurately moulded in tough EPO foam it features factory installed servos, amazing 'Fowler' type flaps, light set, tinted canopy, wheel spats and fully sprung noseleg. The Cessna 350 is an irresistible package that appeals to all levels of pilot skill beyond the basic trainer. Perfect for your choice of 1600~1800mAh 3 cell Li-Po. Also available with a factory installed 2.4GHz receiver and quality transmitter.



**Working Lights! Functional Fowler Flaps!**



## RIPMAX BULLET ARTF



The legendary '70s Bullet returns and is set to create quite a stir amongst an entirely new generation of model pilots! The original Bullet was regarded by many as the definitive sports model of its time and this new improved version will undoubtedly achieve the same iconic status. The Ripmax Bullet enjoys a 10% size increase over the original to

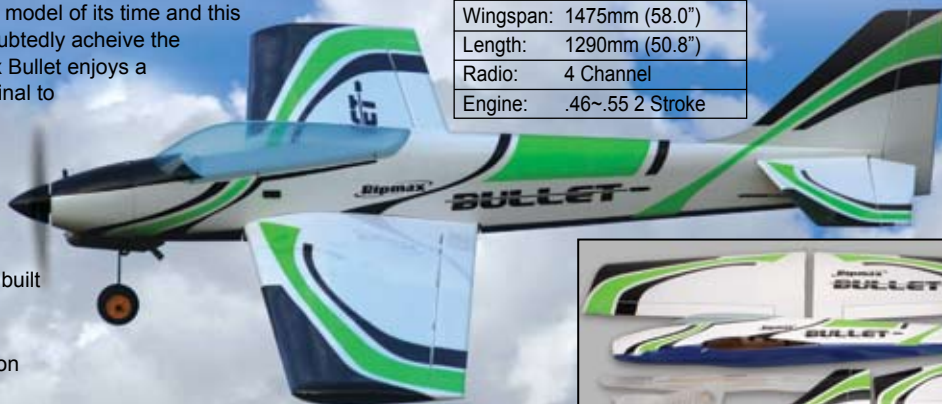
cater for today's modern high output engines. This also provides for a lighter wing loading and improved in-flight handling characteristics. And....what's more, this time it comes factory built and lovingly hand finished!

- The Legend Returns!
- High Quality ARTF Construction
- Minimal Assembly Time
- Outstanding Flight Performance

**A-ARTF6714 Bullet ARTF.....£99.99**

## Ripmax BULLET

Wingspan:	1475mm (58.0")
Length:	1290mm (50.8")
Radio:	4 Channel
Engine:	.46~.55 2 Stroke



Comebacks are back in fashion.... it's official! And what better way to re-invent one of the nation's favourite designs than this superb ARTF from Ripmax. There can be few seasoned pilots who have not built or flown a Gangster, and all the characteristic traits that endeared it to a generation of club sportsmen are present and correct in this new ARTF version. Originally designed and now optimised for the latest ARTF construction methods by the legendary Mick Reeves, this fantastic sport model is now even lighter, and features inset ailerons for crisp and responsive control. Supplied complete with step-by-step assembly instructions and a comprehensive hardware pack.

## Ripmax GANGSTER 63

- Classic Design by Mick Reeves
- Lightweight ARTF Construction
- Powerful Inset Ailerons
- Comprehensive Instruction Manual and Hardware Pack

Wingspan:	1580mm (62.2")
Length:	1335mm (52.6")
Radio:	4 Channel
Engine:	.46~.55 2 Stroke



**A-ARTF6715 Gangster 63 ARTF.....£TBA**



## CESSNA 182 ARTF



The appearance of the Cessna Skylane 182 is unmistakable and easy to enjoy with this Gold Edition ARTF. The attention to authentic touches is obvious at every turn, from the built-in lighting system to the twin radio antenna on the wing. But what's even more remarkable is the ease of reproducing those details and the gentle handling that makes this ARTF a great choice for virtually any pilot.



Wingspan:	2060mm (81")
Length:	1630mm (64")
Engine:	.60~.91 2 Stroke
	.91~1.20 4 Stroke
	or brushless outrunner
Radio:	5+ Channel with 7 Servos

- Factory-built and covered in Cessna-style trim scheme
- Assembly time is just 18~25 hours
- Painted fibreglass parts like the cowl and wheel spats included, as well as added extras such as one-piece wing and landing gear struts, Horner wing tips and moulded-in corrugations for control surfaces
- Lighting system includes a Mars beacon as well as landing and navigation lights... a costly add-on with some kits, but included with the Skylane 182 ARTF as standard
- Full cockpit interior includes seats and sides, plus a redesigned 3D instrument panel with raised dials and control yokes plus colour graphics... usually an option, but included here!
- The comprehensive accessory/hardware package also includes the steerable nosewheel and extras such as a beautifully polished aluminium spinner



**A-TOPA0906 Cessna 182 ARTF .60~1.20 or B/L 81".... £534.99**

**Phase 3**

**Factory Fitted Servos**

**High Performance Ducted Fan Unit**

**A-PH022 Phase 3 U2 ..... £129.99**

## PHASE 3 U2 EDF

In the early 1950s, with Cold War tensions on the rise, the U.S. military required better strategic reconnaissance to help determine Soviet capabilities and intentions. It was thought an aircraft that could fly at 70,000 feet would be beyond the reach of Soviet fighters, missiles, and even radar. Phase 3 bring the iconic U2 spyplane to life in a high performance EDF that represents outstanding value. Manufactured from lightweight foam, and available in either receiver-ready format, or complete with quality 2.4GHz transmitter and receiver. Whichever you choose, you'll be ready for your first exciting mission in no time!

- Brushless Motor and ESC Included
- High Performance Ducted Fan Assembly
- 3 x Factory Installed Servos
- Li-Po Battery and Charger Included

**Brushless Motor And ESC Included!**

**A-PH022RTF Phase 3 U2 2.4GHz..... £164.99**

**Phase 3**

**Factory Fitted Servos**

**2 Tails Included!**

**Brushless Motor And ESC Included!**

- Brushless Motor and ESC Included
- 4 x Factory Installed Servos
- Li-Po Battery and Charger Included
- Supplied with V-design and traditional style tail

## PHASE 3 PHOENIX II GLIDER

This delightful model from Phase 3 offers sensational high-flying performance with a very down-to-earth price tag! Features a computer enhanced high aspect ratio wing which generates superb levels of lift. Supplied with a V-design tail and traditional style tail feathers, this excellent model is manufactured from very light but extremely durable EPO foam. The Phoenix is super-smooth in flight, with ample power on hand from the factory installed hi-performance brushless motor and matching ESC. Even the control servos have been factory fitted, so there really is very little to do before you can be soaring high! Supplied in radio ready format, perfect for your choice of transmitter and receiver, or complete with a quality 2.4GHz system.

**A-PH021 Phase 3 Phoenix II..... £129.99**

**A-PH021RTF Phase 3 Phoenix II 2.4GHz..... £164.99**



# Phase 3 Squall!

**HIGH  
PERFORMANCE  
ELECTRIC DUCTED  
FAN POWERED MODEL**

Designed, constructed and styled with one aim in mind... performance! Squall! is perfect for 3 cell 2500mAh Li-Po batteries but, if you want to really tear up the skies, then the Squall! HP - with its 3 blade fan and 3400kV motor - is perfect for 4 cell 2500mAh packs. Either way, the model's sleek delta wing design allows you to explore the entire speed envelope from a high alpha crawl to a blur at full throttle. Squall! redefines ducted fan flying!

**Squall! - 3 Cell Version with  
3800kV motor, 5 blade fan  
and 40A ESC.**  
• 3 cell 2500mAh 30C  
Li-Po recommended

**Almost Ready  
to Fly!**

- Brushless Motor - Included!
- Brushless ESC - Included!
- Ducted Fan Unit - Included!

## Squall! HP HIGH POWER

**Squall! - 4 Cell Version with  
3400kV motor, 3 blade fan  
and 45A ESC.**  
• 4 cell 2500mAh 30C  
Li-Po recommended

A-PH019	Squall! EP EDF ARTF .....	£99.99
A-PH020	Squall! HP EP EDF ARTF .....	£109.99

**There's a Storm Coming!**

## Squall! VT Vectored Thrust

Fitting the Squall! with the optional Vectored Thrust Unit - (available separately) opens up a whole new dimension in flying! Sensational slow-speed control and the potential for even more extreme 3D manoeuvres at high speed. No additional servos required!

Wingspan: 650mm (25.6")  
Length: 885mm (34.9")  
Motor: Included  
ESC: Included  
Radio: 4 Channel with 3 Servos  
& Elevon Mixing

VT Linkage Set A-PH019-14 is required to operate the vectored thrust unit.

A-PH019-13	Vectored Thrust Unit - All Squall! .....	£19.99
A-PH019-14	Vectored Linkage Set - Squall! .....	£2.50

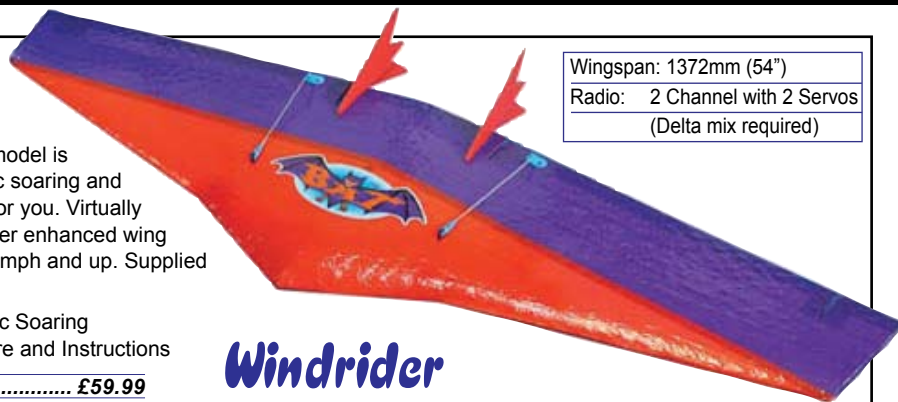


## BAT EPP FLYING WING

Just when you thought you'd seen everything an EPP flying wing had to offer, Windrider introduces the pulse quickening Bat. This 1372mm (54") high performance model is not for the beginner or weak of heart! Great for dynamic soaring and "one on one" races. If you like fast models then this is for you. Virtually indestructable, the Bat features a sophisticated computer enhanced wing design for optimum performance. Suitable in winds of 8mph and up. Supplied complete with hardware and assembly instructions.

- High Performance EPP Wing
- Great for Dynamic Soaring
- Pulse Quickening Performance
- Includes Hardware and Instructions

**A-WINBAT** Windrider Bat 54" EPP Flying Wing ..... £59.99



Wingspan: 1372mm (54")  
Radio: 2 Channel with 2 Servos  
(Delta mix required)

**Windrider**

## BD-5J ARTF



This great model is moulded from incredibly tough but very lightweight EPP foam. Designed for use with the latest 60~64mm fan units the Windrider BD-5J offers experienced pilots thrilling performance, combined with lines that will turn heads wherever it's flown.

The BD-5J also makes a great slope soarer, and with the benefit of super-tough EPP construction it'll handle those less than perfect flying sites with ease.

**Windrider**

- Tough EPP Moulded Foam
- Easy to Assemble
- Stunning Appearance
- Terrific Flight Performance

Wingspan: 813mm (32")  
Length: 724mm (28.5")  
Radio: 3 Channel with 3~4 Servos

**A-WINBD5J** Windrider BD-5J EPP Glider/EDF ..... £74.99

**M-WIN60FAN** Windrider 60mm Fan Unit (BD-5J) ..... £19.99



## BF-109E ARTF

The Flying Legends Mini Scale Series Messerschmitt Bf-109E has all the character of the original, with a surprisingly accurate outline and incredibly lightweight construction. Supplied Almost Ready to Fly with only the minimum of final assembly and installation of your choice of micro radio required, the Bf-109E can be in the air in a remarkably short space of time.

- Almost Ready to Fly
- Durable, Lightweight Foam Construction
- Highly Detailed Finish
- Pre-Hinged Control Surfaces
- Factory Fitted Canopy
- Powerful Brushless Motor & ESC Included

Its fully aerobatic performance means it is not suitable for beginners but is perfect for intermediate and experienced pilots. Simple to hand launch, the Bf-109E has a very low wing loading, making it stable and controllable at low speeds.



Wingspan: 900mm (35.4")  
Length: 765mm (30.1")  
Motor: Brushless - Included  
ESC: Brushless - Included  
Radio: 3 Channel with 2 Servos

**A-FLMS003** Flying Legends M.Series - Bf-109E ..... £79.99

**Brushless Motor and ESC Included!**



**Bf-109E**





**IRVINE TUTOR 40 II ARTF**

Improving upon the nation's favourite trainer was never going to be an easy challenge, but the all-new Tutor II successfully combines all the features that made it No.1, with further refinements that encompass the latest improvements in model flight technology. It includes a specially developed tapered wing for improved aileron response with a more predictable 'feel' and cleverly designed tail surfaces that make spin recovery a breeze. The Tutor II has an easy access battery hatch and custom hardware that make it as simple to assemble and fly with either electric motors or glow power sources. Incorporating a fresh 'dynamic' colour scheme that makes it even easier to track in the air, we're confident that the second generation Tutor will soon become as highly regarded by flying schools, club instructors, and novice pilots as the original design classic.

Wingspan:	1635mm (64.37")
Length:	1200mm (47.24")
Engine:	.40~.46 2 Stroke
Motor:	KMS Quantum 4120/05
ESC:	KMS Optima 60
Flight Battery:	Intellect 4S 4000 25C

**A-IRVTUT40/2 Irvine Tutor 40 II ARTF..... £74.99**



- Step-by-Step, Photo-Illustrated Instructions
- Choice of Power Options
- Easy to Track Colour Scheme
- Built in Battery Access Hatch

**SUPERVEE 27 GP RTR**

It's the streamlined design that has captured the attention of boat racers everywhere... equipped with an .18-sized marine engine that's all about nitro power and performance! The SuperVee 27 Nitro is designed for all-out speed and manoeuvrability, but it's easy enough for even beginners to operate. And being ready-to-run means you'll be out on the water just minutes after taking it out of the box! Easy enough for beginners - fast enough for the experienced racer!

- Completely assembled and ready for action in just minutes!
- Powerful AquaCraft .18 marine engine included
- AquaCraft 2-channel radio included
- Equipped with high-performance GrimRacer hardware!
- CNC-machined aluminum deep-water rudder!



**Ready to Run!**

**AQUACRAFT**  
Models

Length:	686mm (27")
Beam:	205mm (8.13")
Engine:	AquaCraft .18 - Included
Radio:	AquaCraft 2 Channel - Included

**B-AQU922 Supervee 27 GP RTR.....£319.99**

**MINI THUNDER RTR**

Mention the term "Thunder Boat" and the image of a round nose hydroplane skimming across the water comes to mind — and the Mini Thunder brings that image to life! The Mini Thunder is ready for action right now, and so easy to drive anyone can enjoy the excitement of racing. With its compact size, the Mini Thunder doesn't need a large body of water to deliver fun and excitement!

Length:	444mm (17.5")
Beam:	203mm (8")
Motor:	AquaCraft 380 - Included
Radio:	AquaCraft 2 Channel - Included

**Includes Radio, Motor, Battery and Charger!**



**Ready to Run!**

- Durable, lightweight ABS construction
- 380 class water-cooled motor included
- AquaCraft 2-channel radio system included
- Waterproof ESC and receiver included
- 7.2V 1100mAh Ni-MH battery pack with 12v field charger included

**B-AQUB16 Mini Thunder Round Nose Hydroplane RTR..... £99.99**

## HOOBEN PERIKASA



Model shown  
built from kit with  
additional scale  
detailing.

Length:	959mm (37.75")
Beam:	243mm (9.75")
Motor:	2 x 550 Class - Included
Radio:	2 Channel - Required

The Perkasa has a blow moulded hull with integral deck, giving great strength, durability and effective waterproofing. The top cabin and detail parts are made of injected styrene and etched brass to add amazing detail to this powerful torpedo boat. With a choice of Almost Ready to Sail, where the hard work has already been done, or as a true 'builders' model that will give the owner many satisfying hours of detailed construction and a finished boat to be proud of. Both versions come with two 550 size, brushed motors plus mounts, shafts and propellers and require suitable ESC, two channel radio and a 6 cell, 2500mAh or greater Ni-MH to complete.

<b>B-HB010</b>	<b>Hooben Perkasa Kit.....</b>	<b>£139.99</b>
<b>B-HB020</b>	<b>Hooben Perkasa ARTR.....</b>	<b>£189.99</b>

## UL-1 SUPERIOR RTR 2.4

There's never been a Li-Po ready hydro with brushless power and 2.4GHz technology - until now! AquaCraft's UL-1 Superior has been designed to deliver the best in cutting edge control, brushless performance and competition quality features!

Modelled on full-size UL (Unlimited Light) hydroplanes, its brushless design has a virtually maintenance free and extremely efficient 6-pole, 2030kV motor that comes factory installed with 4mm gold-plated bullet connectors.



Length:	745mm (29.25")
Beam:	360mm (14.25")
Motor:	2030kV Brushless - Included
Radio:	2.4GHz 2 Channel - Included



High  
Quality  
CNC  
Machined  
GrimRacer  
Hardware!



<b>B-AQUB20</b>	<b>UL-1 Superior RTR 2.4GHz.....</b>	<b>£399.99</b>
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## ALLIGATOR TOURS AIRBOAT RTR

It looks and handles just like a full-size 'Everglades' swamp boat, and is the only R/C model of its kind that's ready to run! AquaCraft's Alligator Tours airboat easily power-slides across water, lily pads, marshes and wetlands. And it's so easy to run and maintain, even a first time boat modeller can be out skimming across the water with this fun machine virtually right out of the box!



<b>B-AQUB29</b>	<b>Alligator Tours Airboat RTR.....</b>	<b>£329.99</b>
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- Includes Decals for Red or Green Trim Version!
- Powerful ST G34 Engine Included
- 2 Channel Radio Included

Length:	770mm (30")
Beam:	285mm (11.25")
Engine:	SuperTigre G34 - Included
Radio:	2 Channel - Included





**CNC Machined Hardware!**

- Fibreglass Composite Hull and Canopy
- Deep 'V' Design for Outstanding Handling
- Quality CNC Aluminium Hardware as Standard
- Factory Fitted Quality R/C

### BAT POWER 1300 RTR

Created for maximum performance and driver excitement! Manufactured from tough, durable fibreglass, then factory painted in this spectacular scheme, the Bat Power 1300 RTR has a 26cc petrol engine, driving through newly designed flex shaft, which ensures smooth transmission of all that power into maximum speed. The high quality CNC machined hardware fitted as standard equipment further improves handling and ensures reliability. Supplied complete with quality radio control.





Length:	1280mm (50.4")
Beam:	440mm (17.3")
Engine:	26cc Petrol - Included
Radio:	2 Channel - Included

**B-VAN001E-GPR Bat Power 1300 RTR (Petrol) ..... £399.99**

### CHALLENGER 1300 RTR

The awesome new Challenger from Vantex offers the discerning boat modeller the perfect combination of awesome power and precision handling. Supplied with a factory installed 26cc petrol engine, the mighty Challenger features custom CNC machined aluminium hardware, and pre installed quality radio control equipment. So there's virtually nothing to do before the action commences!




Length:	1270mm (50")
Beam:	350mm (13.8")
Engine:	26cc Petrol - Included
Radio:	2 Channel - Included

- Durable Fibreglass Construction
- Factory Installed Radio Control Equipment
- High Performance 26cc Petrol Engine
- CNC Machined Aluminium Hardware

**B-VAN026A-GPR Challenger 1300 RTR (Petrol)..... £399.99**

### BLAST WAVE 1300 RTR

Wow.... One look at the new Blast Wave 1300 RTR tells you that this is a serious performer! From the factory installed high performance 26cc petrol engine, through to the custom designed fibreglass hull with aluminium running gear, everything about this stunning boat is focused to ensure optimum levels of thrilling performance. And when it comes supplied with pre-installed quality radio equipment, and a simply amazing factory painted scheme as standard, we don't think you'll be able to resist!




Length:	1300mm (51.2")
Beam:	380mm (15.0")
Engine:	26cc Petrol - Included
Radio:	2 Channel - Included

- Amazing Factory Painted Scheme
- Thrilling Levels of performance
- Factory Fitted 26cc Petrol Engine
- Pre-Installed Quality Radio Control Equipment

**B-VAN046B-GPR Blast Wave 1300 RTR..... £399.99**



## EARTHTRACE 1300 RTR

A simply stunning model of the awesome Earthtrace, designed to pierce through waves for maximum speed, the full-size vessel successfully circumnavigated the globe in less than 61 days! Created from composite materials for superior strength and performance, this Earthtrace is supplied with a factory fitted 26cc engine that provides sufficient power for a truly exhilarating driving experience. Includes CNC aluminium running gear and quality radio control system as standard!

**Fibreglass  
Composite  
Construction!**

- Factory Painted Fibreglass Construction
- High Performance 26cc Petrol Engine
- Pre-Installed Quality R/C System
- Exhilarating Performance!



Length:	1400mm (55.1")
Beam:	700mm (27.5")
Engine:	26cc Petrol - Included
Radio:	2 Channel - Included

**B-VAN060A-GPR Earthtrace 1300 RTR (Petrol)..... £549.99**

## AURORA LUXURY YACHT RTR

Now you can achieve the ultimate ambition of owning your very own super yacht! With a host of accurate scale detailing and the finest quality materials used throughout its manufacture, the Aurora Luxury Yacht from Vantex is likely to draw as many admiring glances as the full-size! Supplied with a reliable 26cc Petrol engine that provides excellent performance and a factory installed quality radio control system as standard. Now you can live the dream without being a multi-millionaire!



**Fibreglass  
Hull!**

- Reliable 26cc Petrol Engine
- Factory Installed Radio Control System
- Monte Carlo mooring and Personal Valet Not Included!



Length:	1310mm (51.6")
Beam:	390mm (15.35")
Engine:	26cc Petrol - Included
Radio:	2 Channel - Included

**B-VAN300A-GPR Aurora Luxury Yacht RTR.....£599.99**

## PT 109 TORPEDO BOAT



- Fibreglass Hull Construction
- Fuss-Free 26cc Petrol Engine
- Factory Fitted Radio Control System
- Authentic Scale Detailing

This PT-109 torpedo boat is a real treat for scale marine enthusiasts. Based on the iconic World War II vessel, this superb model features a tough fibreglass hull and deck, factory painted in a very authentic scheme. The extensive scale detailing includes guns, radio masts, and of course torpedos!

Supplied with a high performance 26cc Petrol engine and a quality factory fitted radio control system as standard. Be prepared for envious looks from your clubmates!



Length:	1330mm (52.3")
Beam:	360mm (14.17")
Engine:	26cc Petrol - Included
Radio:	2 Channel - Included

**B-VAN500A-GPR PT-109 Torpedo Boat RTR (Petrol) ..£599.99**



**JOYSWAY OFF-SHORE WARRIOR**

The Joysway Off-Shore Warrior is seriously fast, easy to control and best of all great fun! The generous deep-vee hull ensures perfect handling even in rougher waters. Don't be fooled into thinking this is a toy! This is a serious high performance model manufactured using the same high quality materials and engineering expertise as it's bigger cousins. With an extremely durable fibreglass hull, water cooled brushless motor and ESC, installed steering servo and precision CNC machined anodised hardware, this is a serious competitor. Just add your choice of Tx, Rx and 3S 1600~2200mAh 25C Li-Po.

**Almost Ready  
to Run!**

RC hobby world  
**Joysway**

**Available in 3  
Exciting Colours!**

- Quality Fibreglass Construction
- Water Cooled Brushless Motor
- Water Cooled 30A Brushless ESC
- Factory Fitted Steering Servo

**CNC Machined  
Anodised  
Hardware**

Length:	450mm (17.71")
Beam:	125mm (4.92")
Motor:	3000kV Brushless - Included

<b>B-JS-9301B</b>	<b>Joysway Off-Shore Warrior - Black.....</b>	<b>£119.99</b>
<b>B-JS-9301R</b>	<b>Joysway Off-Shore Warrior - Red.....</b>	<b>£119.99</b>
<b>B-JS-9301Y</b>	<b>Joysway Off-Shore Warrior - Yellow.....</b>	<b>£119.99</b>

**JOYSWAY SEA RIDER CATAMARAN**

RC hobby world  
**Joysway**

**Almost Ready  
to Run!**

The Sea Rider Catamaran from Joysway is a high quality performance model, all set to raise a few eyebrows at your local boating pond! Optimised for high speed and great handling, the Sea Rider features a tough and durable fibreglass hull and includes a high performance brushless motor with matching speed controller. Both are water cooled for when the going gets hot! And with precision CNC machined anodised hardware that is normally the reserve of much more expensive boats included as standard, it represents amazing value!

Perfect for use with your choice of Tx, Rx and 3S 1600~2200mAh 25C Li-Po.

- Factory Fitted Steering Servo
- Water Cooled Brushless Motor
- Quality Fibreglass Construction
- Water Cooled 30A ESC

Length:	450mm (17.71")
Beam:	130mm (5.11")
Motor:	3000kV Brushless - Included

<b>B-JS-9302B</b>	<b>Joysway Sea Rider Catamaran - Black....</b>	<b>£119.99</b>
<b>B-JS-9302R</b>	<b>Joysway Sea Rider Catamaran - Red .....</b>	<b>£119.99</b>
<b>B-JS-9302Y</b>	<b>Joysway Sea Rider Catamaran -Yellow....</b>	<b>£119.99</b>

**Available in 3  
Exciting Colours!**

**JOYSWAY SEA DRIFTER HYDRO**

RC hobby world  
**Joysway**

**Almost Ready  
to Run!**

With a specially designed and computer enhanced hull design, the Sea Drifter Hydro is the perfect choice for marine speed freaks! Manufactured using high quality fibreglass then fitted out with a high performance water cooled brushless motor and ESC, with anodised aluminium running gear, Sea Drifter exhibits qualities normally the domain of considerably more expensive boats. Includes a factory fitted servo for accurate steering control at high speeds. Just add your choice of Tx, Rx and 3S 1600~2200mAh 25C Li-Po.

- Factory Fitted Steering Servo
- Water Cooled Brushless Motor
- Water Cooled 30A ESC

Length:	450mm (17.71")
Beam:	225mm (8.86")
Motor:	3000kV Brushless - Included

**CNC Machined  
Anodised Hardware**

**Available in 2  
Exciting Colours!**

<b>B-JS-9303R</b>	<b>Joysway Sea Drifter Hydro - Red .....</b>	<b>£119.99</b>
<b>B-JS-9303Y</b>	<b>Joysway Sea Drifter Hydro - Yellow.....</b>	<b>£119.99</b>

## JOYSWAY MAGIC VEE RTR MICRO EP SPEED BOAT

RC hobby world  
**Joysway**



The amazing new Joysway Magic Vee Micro is 100% focused on fun! Measuring in at a mere 270mm (10.63") but with a specification and levels of performance that puts many larger and more expensive boats to shame! Capable of achieving speeds of up to 20km/h, the Magic Vee Micro is supplied ready for action, complete with factory installed radio control, rechargeable battery, mains charger and even a battery for the transmitter! So there is absolutely nothing required to buy before the fun and excitement can begin. The only difficult choice is which colour to choose!

**Available in  
Three  
Exciting  
Colours!**

Length:	270mm (10.63")
Beam:	70mm (7.76")
Motor:	180 Watercooled
Radio:	2 Channel - Included

**Ready to Run!**

### Included:

- 2 Channel Digital R/C System
- 5A Electronic Speed Controller
- 9g Rudder Servo
- 7.2V 260mAh Power Pack
- AC Charger (for 7.2V Power Pack)
- 9V Dry Battery (For Transmitter)

**Reaches a High Speed of  
20km/h with its Powerful  
Water Cooled 180 Size motor!**

**B-JS-8101 Magic Vee RTR Micro EP Speed Boat ..... £39.99**

**Lots of Fun!**

# RAGE

## BRUSHLESS POWER

### 30MPH 48KM/H



[WWW.TEAMXTM.COM](http://WWW.TEAMXTM.COM)

## RAGE BRUSHLESS TRUCK 1:18 EP 4WD RTR

**Features:**

- Powerful brushless motor for awesome speed!
- 8 Oil-Filled adjustable shocks just like full-size trucks!
- 7.2V Ni-MH battery pack and charging system!

Big fun in a small package. That's what the **Rage** is all about. In your home, at the park, or at the track, the **Rage** is a 'go anywhere' truck that brings excitement to people of all ages! The **Rage** is easy to use with the help of a proportional radio control system and a digital, electronic speed control distributing the power of the 7.2v battery pack to the high power electric motor. Enjoy the excitement with friends and unleash the **Rage**!

**Ready to Run!**




**C-XTM-RAGEBL Rage Brushless Truck 1:18 EP 4WD RTR ..... £129.99**

Length: 250mm (9.84")

Width: 103mm (4.05")

Motor: Brushless - Included

ESC: Brushless - Included

**Radio, Battery  
Pack and Charger  
Included!**



## LEOPARD RACE

Based on the proven Marder 2WD chassis, the Leopard features a longer wheelbase, adjustable alloy oil shocks, 18 tooth steel pinion gear, ball drive shafts with protective bellows, foam front bumper, alloy brake calliper, polycarbonate body & wing, tuned pipe system and 26cc Zenoah pullstart petrol engine!

### Required (Not Included):

Minimum 2 channel radio with 2 x servo - steering (15~20Kg), throttle/rear brake (15Kg), receiver battery & charger, failsafe (if not part of chosen radio)

**C-FG06006 Leopard Race Competition Buggy Kit w/26cc .... £849.99**



**Includes  
Powerful 26cc  
Zenoah Engine**



### Specifications

Length:	720mm	Height:	285mm
Wheelbase:	505mm	Width:	435mm

**2WD**



**KIT**

## BAJA BUGGY 4WD



**Includes  
Powerful 26cc  
Zenoah Engine**

The 2WD Baja Buggy owed much of its heritage to the venerable Marder buggy, but the new 4WD version has replaced and enhanced so much of the original chassis that comparisons are now pointless. Its combination belt and shaft driven 4WD gives an increase in traction that can really be appreciated when driving on, over and through the rough! This is the Baja on steroids!. Oil shocks/springs have been beefed to allow for the increased weight and maximise bump suppression. The Baja Buggy 4WD is available in a number of formats; ARR (largely pre-built with clear body shell & wing, without radio control), or RTR (pre-built with radio control included) with either clear or painted body shell & wing.

### Required (Not Included) ARR:

Minimum 2 channel radio with 2 x servo - steering (15~20Kg), throttle/rear brake (15Kg), receiver battery & charger, failsafe (if not part of chosen radio)

- 4mm Countersunk Alloy Chassis
- Constant Shaft & Belt 4WD
- 26cc Zenoah Pullstart Petrol Engine
- Twin Differentials with Hardened Bevels
- Adjustable Linkages
- Independent Oil Filled Shocks
- Adjustable Servo Saver
- Low Profile Wheels Pre-Glued to High Grip Tyres
- Decal Sheet
- Ballraced



**4WD**

**RTR**



### Specifications

Length:	690mm	Height:	290mm
Wheelbase:	475mm	Width:	475mm

**C-FG68040R Baja Buggy 4WD RTR (Red/White) ..... £939.99**

**C-FG68050 Baja Buggy 4WD ARR (Clear) ..... £774.99**

**C-FG68050R Baja Buggy 4WD RTR (Clear) ..... £924.99**

## OFF ROAD BEETLE 4WD

Based on the 4WD Monster Truck chassis (see over), the Off-Road Beetle uses the wheels and tyres from the Baja Buggy with a retro body to make the ultimate dune racer! Available in three formats; ARR (largely pre-built with clear body shell & wing, without radio control), or RTR (pre-built with radio control included) with either clear or painted body shell & wing.

**Includes  
Powerful 26cc  
Zenoah Engine**



**4WD**



**RTR**

**C-FG58040R Off-Road Beetle 4WD RTR (Painted) ... £974.99**

**C-FG58050R Off-Road Beetle 4WD RTR (Clear) ..... £959.99**

**C-FG58050 Off-Road Beetle 4WD ARR (Clear) ..... £799.99**

## 4WD CONVERSION SETS

If you already own one of FG's Marder, Monster or Baja Buggy based 2WD models, you can upgrade them to full 4WD specification with one of these comprehensive sets!

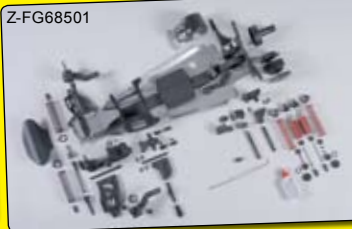
**4WD**



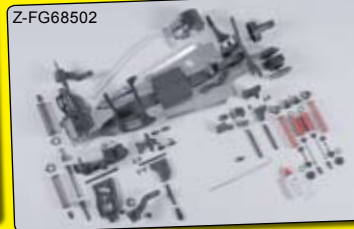
Z-FG68500



Z-FG68501



Z-FG68502



**Z-FG68500 Conversion Kit Monster Truck 4WD ..... £284.99**

**Z-FG68501 Conversion Kit Marder 4WD ..... £284.99**

**Z-FG68502 Conversion Kit Baja Buggy 4WD ..... £284.99**

We recommend the fitting of a throttle 'Failsafe' on all FG Modellsport vehicles.

Distributed to all good model shops by: **Ripmax**

See the full Ripmax range at [www.ripmax.com](http://www.ripmax.com)



## MONSTER TRUCK, HUMMER AND JEEP 4WD

FG's Monster series vehicles are designed to travel over obstacles impossible for smaller and less powerful machines. Tough, reliable, with plenty of grunt and ground clearance to tackle the roughest off road terrain! 210mm diameter tyres all round ensure you won't get stuck in the muck and 4WD guarantees that all 4 wheels are transferring power to the ground, all the time. Available with either Truck, Hummer or Jeep body shells in a selection of formats (ARR/RTR/Painted/Clear) there is no lack of choice. And, you can further bling these models up with the addition of optional bumpers, side bars and roll cages as applicable.

- 4mm Countersunk Alloy Chassis
- Alloy Side Protection Chassis Stiffeners
- Constant Shaft & Belt 4WD
- 26cc Zenoah Pullstart Petrol Engine
- Twin Differentials w/Hardened Bevels
- Large Capacity Fuel Tank
- Adjustable Linkages
- Independent Oil Filled Shocks
- Adjustable Servo Saver
- Scale Wheels & High Grip Monster Tyres
- Decal Sheet
- Ballraced

### Required (Not Included) ARR:

Minimum 2 channel radio with 2 x servo - steering (15~20Kg), throttle/rear brake (15Kg), receiver battery & charger, failsafe (if not part of chosen radio)

### MONSTER HUMMER



Shown with option side bars fitted

### MONSTER JEEP



Shown with option bumper & side bars fitted

### MONSTER TRUCK



Shown with option bumper, side bars & roll cage fitted

Specifications	
Length: 670~740mm	Height: 350~390mm
Wheelbase: 470mm	Width: 510mm

C-FG28000R	Monster Truck 4WD RTR (White)	£1,049.99
C-FG28010R	Monster Truck 4WD RTR (Yellow)	£1,049.99
C-FG28050	Monster Truck 4WD ARR (Clear)	£849.99
C-FG28050R	Monster Truck 4WD RTR (Clear)	£1,049.99
C-FG38010R	Monster Hummer 4WD RTR (Yellow)	£1,049.99
C-FG38030R	Monster Hummer 4WD RTR (Black)	£1,049.99
C-FG38050	Monster Hummer 4WD ARR (Clear)	£849.99
C-FG38050R	Monster Hummer 4WD RTR (Clear)	£1,049.99
C-FG48020R	Monster Jeep 4WD RTR (Red)	£1,049.99
C-FG48030R	Monster Jeep 4WD RTR (Black)	£1,049.99
C-FG48050	Monster Jeep 4WD ARR (Clear)	£844.99
C-FG48050R	Monster Jeep 4WD RTR (Clear)	£1,049.99

## COMPETITION MONSTER TRUCK 4WD

Take everything the standard Monster 4WD chassis has to offer and then replace the majority of it with precision machined alloy parts to add a level of precision, strength and sophistication that has to be seen to be believed! Better, stronger and let's be honest, beautiful to behold! Available with either mechanical or hydraulic brake systems for the ultimate in stopping power!

- 4mm Countersunk Alloy Chassis
- Constant Shaft & Belt Driven 4WD
- 26cc Zenoah Pullstart Petrol Engine
- Tuned Pipe
- Alloy Side Frame Stiffeners
- Combination Nylon/Aluminium Roll Cage
- Independent Adjustable Alloy Oil Shocks
- Twin Geared Diff's with Hardened Bevels
- Alloy Suspension Mounts
- Alloy Front & Rear Axle Mounts & Bases
- Alloy Front & Rear Shock Stays
- Alloy Front & Rear Hubs/Knuckles
- Moulded Radio Box
- Alloy Radio Plate
- Alloy Gear Carrier
- Steel Gearwheels
- Alloy Engine Mounts
- Alloy Adjustable Servo Saver
- Ball-Type Stabilisers Front & Rear
- Large Capacity Fuel Tank
- Alloy Suspension Arms, Front, Rear & Upper
- Chrome Plated Wheels glued to High Grip Tyres
- Mechanical 'Tuning' or Hydraulic Brake System

**Required (Not Included):** 3 channel radio with 4 x servo (2 x steering (15~20Kg), throttle/rear brake & front brake - both 15Kg), receiver battery & charger, failsafe (if not part of chosen radio)



High performance 26cc Zenoah 2-stroke petrol engine, provides awesome rugged power!



We recommend the fitting of a throttle 'Failsafe' on all FG Modellsport vehicles.





## STADIUM TRUCK, HUMMER AND JEEP 4WD

Based heavily on the standard 4WD Monster chassis, the Stadium chassis features smaller wheels and tyres to form a more race-oriented platform. It is available in the same ARR and RTR painted/non-painted formats and has the same radio requirements, etc.



### STADIUM TRUCK



High performance 26cc Zenoah 2-stroke petrol engine, provides awesome rugged power!



### STADIUM HUMMER



OFFICIAL LICENSED PRODUCT



Shown with option side bars fitted

### STADIUM JEEP



#### Specifications

Length: 670~740mm	Height: 280~360mm
Wheelbase: 470mm	Width: 510mm

Shown with option bumper and side bars fitted

C-FG29000R	Stadium Truck 4WD RTR (White)w/26cc	£1,049.99
C-FG29010R	Stadium Truck 4WD RTR (Yellow) 26cc	£1,049.99
C-FG29050	Stadium Truck 4WD ARR (Clear)w/26cc	£849.99
C-FG29050R	Stadium Truck 4WD RTR (Clear)w/26cc	£999.99
C-FG39010R	Stadium Hummer 4WD RTR (Yellow)26cc	£1,049.99
C-FG39030R	Stadium Hummer 4WD RTR (Black) 26cc	£1,049.99
C-FG39050	Stadium Hummer 4WD ARR (Clear) 26cc	£844.99
C-FG39050R	Stadium Hummer 4WD RTR (Clear) 26cc	£1,049.99
C-FG49020R	Stadium Jeep 4WD RTR (Red) w/26cc	£1,049.99
C-FG49030R	Stadium Jeep 4WD RTR (Black) w/26cc	£1,049.99
C-FG49050	Stadium Jeep 4WD ARR (Clear) w/26cc	£849.99
C-FG49050R	Stadium Jeep 4WD RTR (Clear) w/26cc	£1,049.99



## COMPETITION MONSTER TRUCK 4WD

Shown custom painted with option parts fitted.



C-FG26000	Competition Monster Truck 4WD Hydraulic Brake	£2,399.99
C-FG26001	Competition Monster Truck 4WD Mechanical Brake	£1,959.99

We recommend the fitting of a throttle 'Failsafe' on all FG Modelsport vehicles.

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See the full Ripmax range at [www.ripmax.com](http://www.ripmax.com)



## SPORTSLINE 08

Based on the proven Sportsline 04 chassis, the 08 features the addition of mechanically operated front disc brakes, a three chamber tuned pipe, fuel tank with snap closure and front & rear stabilisers! Formats vary by model, but you can choose from largely prebuilt ARR machines without radio control, or RTR versions that are pre-build, include radio control and are supplied with either clear or painted polycarbonate body shells (saloons and racing trucks). The Sportsline 08 chassis can be further tuned with a wide range of FG option parts.

- 4mm Countersunk Alloy Chassis
- Constant Shaft Driven 2WD
- 23cc Zenoah Pullstart Petrol Engine
- Double Wishbone Suspension (Adjustable)
- Geared Differential
- Alloy Adjustable Oil Filled Shocks
- Adjustable Geometry
- Ballraced
- Scale Wheels glued to High Grip Tyres

### Required (Not Included):

Minimum 2 channel radio with 2 x servo - steering (15~20Kg), throttle/rear brake (15Kg), receiver battery & charger, failsafe (if not part of chosen radio)

## BMW M3 ALMS



## SUPER-RACE-TRUCK



## MINI COOPER



## STREET-TRUCK



## PORSCHE CARRERA GT



## AUDI A4 DTM 'ALBERS'



## BMW Z4 COUPE



## PORSCHE GT3 RSR



High performance 23cc Zenoah 2-stroke petrol engine, provides awesome rugged power!

### Sportsline 08-510 Medium Wheelbase ARR/RTR w/23cc

C-FG145169R	Porsche GT3 RSR RTR(Paint)	£949.99
C-FG145170	Porsche GT3 RSR ARR(Clear)	£799.99
C-FG145170R	Porsche GT3 RSR RTR(Clear)	£949.99
C-FG145179R	Mini RTR (Painted) w/23cc	£1,049.99
C-FG145180	Mini ARTR (Clear) w/23cc	£799.99
C-FG145180R	Mini RTR (Clear) w/23cc	£974.99

### Sportsline 08-530 Long Wheelbase ARR/RTR w/23cc (Saloon)

C-FG144147R	Audi A4 DTM RTR Albers	£1,029.99
C-FG144148R	Audi A4 DTM RTR (Painted)	£1,099.99
C-FG148179R	BMW M3 ALMS RTR (Painted)	£1,049.99
C-FG148180	BMW M3 ALMS ARR (Clear)	£799.99
C-FG148180R	BMW M3 ALMS RTR (Clear)	£974.99
C-FG148189R	BMW Z4 Coupe RTR (Painted)	£1,049.99
C-FG148190	BMW Z4 Coupe ARR (Clear)	£799.99
C-FG148190R	BMW Z4 Coupe RTR (Clear)	£954.99

### Sportsline 08-530 ARR/RTR w/23cc Zenoah (Truck)

(Supplied with Clear Polycarbonate Body and Decals)

C-FG343249	Super-Race-Truck ARR	£799.99
C-FG343249R	Super-Race-Truck RTR	£974.99
C-FG343253	Street-Truck ARR	£799.99
C-FG343253R	Street-Truck RTR	£974.99

We recommend the fitting of a throttle 'Failsafe' on all FG Modellsport vehicles.

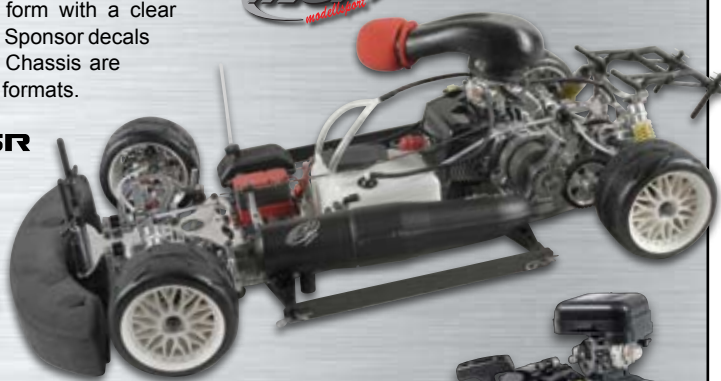


## COMPETITION 07

Conceived as the entry into serious racing, the Competition 07 chassis incorporates a high level of sophistication with machined alloy replacing much of the standard glass/nylon found on its Sportline 08 brother! Competition 07 models are supplied in kit form with a clear polycarbonate body shell (saloon and racing truck) and basic decal sheet. Sponsor decals can be obtained separately. Scale wheels are pre-glued to race tyres. Chassis are available in long wheelbase (530mm) and medium wheelbase (510mm) formats.

### AUDI A4 DTM

### PORSCHE GT3 RSR



- 8mm Milled & Countersunk Alloy Chassis
- Carbon Fibre Side Guards
- 23cc Zenoah Pullstart Petrol Engine
- Tuned Pipe
- Adjustable Locking Differential
- Alloy Front/Rear Axle Mounts & Bases
- Alloy Front & Rear Damper Plates/Stiffeners
- Alloy Front & Rear Hubs
- Alloy Suspension Arms, Front, Rear & Upper
- Alloy Radio Plate
- Alloy Gear Carrier

- Steel Gearwheel
- Ball-Type Stabilisers (Front & Rear)
- Alloy 1 Piece Engine Mount
- Alloy Adjustable Servo Saver
- Independent Alloy Oil Filled Shocks
- Fuel Tank with Snap Closure
- Moulded (Carvable) Front Bumper
- Moulded Radio Box
- Torx Screws
- Mechanical 'Tuning' or Hydraulic Brake System

High performance 23cc Zenoah 2-stroke petrol engine, provides awesome rugged power!



**Required (Not Included):** 3 channel radio with 3 x servo (steering (15~20Kg), throttle/rear brake & front brake - both 15Kg), receiver battery & charger, failsafe (if not part of chosen radio)

### PORSCHE CARRERA GT

### MINI COOPER



### SUPER-RACE-TRUCK



### BMW M3 ALMS

### BMW Z4 COUPE

### STREET-TRUCK



### BMW GTR

### MERCEDES C-KLASSE DTM 06

### BMW 320SI WTCC



Competition 07-510 Medium Wheelbase Kit with 23cc Zenoah & Mechanical Brakes  
(Supplied with Clear Polycarbonate Body and Decals)

C-FG815170	Porsche GT3 RSR .....	£1,619.99
C-FG815180	Mini Cooper .....	£1,619.99

Competition 07-530 Long Wheelbase Kit with 23cc Zenoah & Mechanical Brakes  
(Supplied with Clear Polycarbonate Body and Decals)

C-FG812049	Mercedes McLaren GTR.....	£1,619.99
C-FG812079	Porsche Carrera GT.....	£1,619.99
C-FG814149/02	Audi A4 DTM 06.....	£1,619.99
C-FG817229/02	Mercedes C-Klasse DTM 06.....	£1,619.99
C-FG818144/02	BMW 320si WTCC .....	£1,619.99
C-FG818165	BMW M3 GTR.....	£1,619.99
C-FG818180	BMW M3 ALMS .....	£1,619.99
C-FG818190	BMW Z4 Coupe.....	£1,619.99
C-FG833249	Super-Race-Truck .....	£1,699.99
C-FG833253	Street-Truck .....	£1,699.99

Competition 07-510 Medium Wheelbase Kit with 23cc Zenoah & Hydraulic Brakes  
(Supplied with Clear Polycarbonate Body and Decals)

C-FG805170	Porsche GT3 RSR .....	£2,039.99
C-FG805180	Mini Cooper .....	£2,039.99

Competition 07-530 Long Wheelbase Kit with 23cc Zenoah & Hydraulic Brakes  
(Supplied with Clear Polycarbonate Body and Decals)

C-FG802049	Mercedes McLaren GTR.....	£2,039.99
C-FG802079	Porsche Carrera GT.....	£2,039.99
C-FG804149/02	Audi A4 DTM 06.....	£2,039.99
C-FG807229/02	Mercedes C-Klasse DTM 06.....	£2,039.99
C-FG808144/02	BMW 320si WTCC .....	£2,039.99
C-FG808165	BMW M3 GTR.....	£2,039.99
C-FG808180	BMW M3 ALMS .....	£2,039.99
C-FG808190	BMW Z4 Coupe.....	£2,039.99
C-FG823249	Super-Race-Truck .....	£2,149.99
C-FG823253	Street-Truck .....	£2,149.99

We recommend the fitting of a throttle 'Failsafe' on all FG Modellsport vehicles.

Distributed to all good model shops by: **Ripmax**

See the full Ripmax range at [www.ripmax.com](http://www.ripmax.com)



## EVO 08

The ultimate race chassis, based on the 2008 World Championships winning car! Developed from the Competition 07, the EVO 08 pushes the envelope that little bit more and includes the following additions over the Competition 07; Revised 8mm milled & countersunk alloy chassis, adjustable 4-shoe clutch with ventilated clutch bell, power boosting tuned pipe, self-locking fourfold differential, carbon fibre front brace, body mount & chassis stiffeners, revised upper arms, rear upper alloy ball links, uprated oil shocks & springs, carbon fibre radio plate, uprated servo saver, a new moulded front bumper and pin-stabilising wheel drivers for increased strength and stability!

EVO 08 models are supplied in kit form with a clear polycarbonate body shell and basic decal sheet. Sponsor decals can be obtained separately. Radio requirements, etc., are the same as those for the Competition 07. Chassis are available in long wheelbase (530mm) and medium wheelbase (510mm) formats, with either mechanical or hydraulic brake systems.



### EVO 08-510 Medium Wheelbase Kit with Mechanical Brakes (Supplied with Clear Polycarbonate Body and Decals)

<b>C-FG915170</b>	<b>Porsche GT3 RSR</b>	<b>£2,299.99</b>
<b>C-FG915180</b>	<b>Mini Cooper</b>	<b>£2,299.99</b>

### EVO 08-530 Long Wheelbase Kit with Mechanical Brakes (Supplied with Clear Polycarbonate Body and Decals)

<b>C-FG918180</b>	<b>BMW M3 ALMS</b>	<b>£2,299.99</b>
<b>C-FG918190</b>	<b>BMW Z4 Coupe</b>	<b>£2,299.99</b>
<b>C-FG933249</b>	<b>Super-Race-Truck</b>	<b>£2,349.99</b>
<b>C-FG933253</b>	<b>Street-Truck</b>	<b>£2,349.99</b>

### EVO 08-510 Medium Wheelbase Kit with Hydraulic Brakes (Supplied with Clear Polycarbonate Body and Decals)

<b>C-FG905170</b>	<b>Porsche GT3 RSR</b>	<b>£2,799.99</b>
<b>C-FG905180</b>	<b>Mini Cooper</b>	<b>£2,799.99</b>

### EVO 08-530 Long Wheelbase Kit with Hydraulic Brakes (Supplied with Clear Polycarbonate Body and Decals)

<b>C-FG904149/01</b>	<b>Audi A4 DTM 06</b>	<b>£2,799.99</b>
<b>C-FG908180</b>	<b>BMW M3 ALMS</b>	<b>£2,799.99</b>
<b>C-FG908190</b>	<b>BMW Z4 Coupe</b>	<b>£2,799.99</b>
<b>C-FG923249</b>	<b>Super-Race-Truck</b>	<b>£2,799.99</b>
<b>C-FG923253</b>	<b>Street-Truck</b>	<b>£2,799.99</b>

**Includes  
Powerful 23cc  
Zenoah Engine**

## F1 COMPETITION

If Formula 1 is the ultimate in full-size car racing, then FG's latest Competition F1 chassis kit is surely the pinnacle of model racecar technology! Made from a combination of materials including precision machined aluminium and carbon fibre, the F1 Competition chassis has been designed to give the lightest weight, yet greatest strength and rigidity. A multi-part polycarbonate body set is included which can be painted in the team colours of your choice.

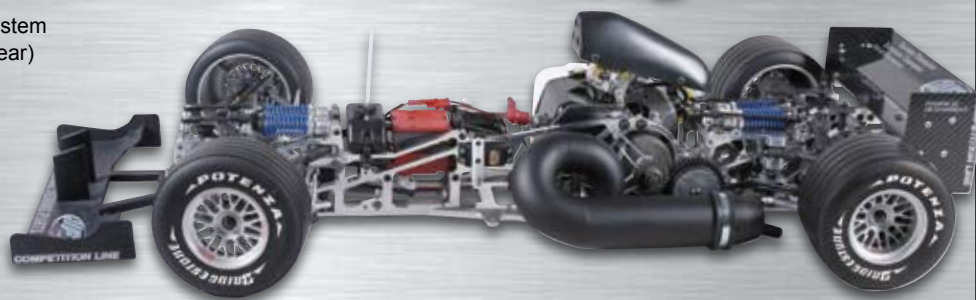
- 8mm Milled & Countersunk Alloy Chassis
- Alloy & Carbon Fibre Ladder-Frame Chassis Design
- Constant Shaft Driven 2WD
- 26cc Zenoah Pullstart Petrol Engine
- Tuned Pipe
- Viscous Locking Differential
- Mechanical 'Tuning' or Hydraulic Brake System
- Double A-Arm Suspension (Alloy Lower Rear)
- Alloy Suspension Mounts
- Alloy Hubs (Front & Rear)
- Adjustable Inboard Alloy Oil Shocks
- Carbon Fibre Rear Spoiler
- Scale Wheels glued to High Grip Tyres

**Required (Not Included):** 3 channel radio with 4 x servo (2 x steering (15-20Kg), throttle/rear brake & front brake - both 15Kg), receiver battery & charger, failsafe (if not part of chosen radio)



<b>C-FG10007</b>	<b>F1 Competition 09 Kit (Hydraulic Brake)</b>	<b>£2,449.99</b>
<b>C-FG10008</b>	<b>F1 Competition 09 Kit (Mechanical Brake)</b>	<b>£2,174.99</b>

**Quality Engineered with  
Precision CNC Components  
Everywhere!**



We recommend the fitting of a throttle 'Failsafe' on all FG Modellsport vehicles.





# Mini-Stinger

**2.4GHz**



Integral Li-Po quick charger in the back of the transmitter



Clear LCD shows battery state, trim and throttle position



Fun to fly - with switchable Mode 1 / Mode 2 transmitter

An easy to fly, electric powered contra-rotating model helicopter with versatile, 4 function, Mode 1 / Mode 2 switchable transmitter and lightweight Li-Po flight battery. Completely ready to fly straight from the box - nothing else required!

- Lightweight, Micro-Size!
- Super Stable Performance
- Crash Resistant Construction
- Lithium Polymer Flight Pack Included
- Multi-Mode Transmitter with Integral Charger

Rotor Diameter:	188mm (7.4")
Overall Length:	213mm (8.4")
Motors:	ø6mm x 2 - Included
Li-Po Battery:	3.7v 110mAh - Included
2.4GHz Radio:	4 Channel - Included



**Primary and Advanced Flight Options!**

**100% Ready to Fly!**

**Nothing More to Buy!**

**2.4GHz Technology!**

**A-EF008 Mini Stinger EP Helicopter 2.4GHz ..... £54.99**



# RESCUE CHOPPER

**2.4GHz**

Much easier to fly than a 'traditional' helicopter, but no less fun! Supplied factory built with 2.4GHz radio pre-installed, there really is very little to do before charging the lightweight Lithium battery and setting off on your first rescue mission!

Very stable in the hover due to its contra-rotating main blades, the MASH Rescue Chopper comes complete with 7.4V 800mAh rechargeable Li-Po flight battery and mains charger, full-size 2.4GHz transmitter (with adjustable stick length) and a spare set of blades.

If you want a quick, easy and fun way of getting into the air... you've just found it!

- Stable in the Hover - but Highly Manoeuvrable Too!
- Ideal for Beginners and Experts Alike
- Supplied Factory Built and Almost Ready to Fly

**A-EF005-2-4 EF M.A.S.H Rescue Chopper 2.4GHz ..... £99.99**



Rotor Diameter:	340mm (13.5")
Overall Length:	425mm (16.7")
Motors:	180 Class x 2 - Included
Li-Po Battery:	7.4v 800mAh - Included
2.4GHz Radio:	4 Channel - Included



# HIROBO

SCEADU **SDX**  
50 SWM KIT

The very latest version of the Scedu series draws its inspiration (and a lot of very similar parts) from the awesome Turbulence D3. Hirobo has used the experience gained from 3D competition and brought you an affordable 50 size machine that can really push the flight envelope, and your skills, to the limit. The entirely new FZ-5 rotor head uses the same basic design of the Turbulence head but adds the durability of engineering plastic for everyday use. It has been specifically designed with the 3D pilot in mind to give rapid response yet still retain the feel needed for precision and hovering stability. The new Scedu SDX SWM is set to become the most sought after 3D machine on the market today. Forget 'bling' it's the performance that counts!!!

- Maximum 30 degree pitch stroke possible for 3D setup
- New SWM linkage parts for both 120 and 135 degree systems
- New 120/135 degree swash plate with increased internal bearing diameter from 20 to 25mm. Permits approximately 60% more movement but without control interaction
- New Turbulence style tail housing and leading blade holders plus new tail blades for better tail power and control

Length:	1220mm (48")
Height:	395mm (15.5")
Width:	186mm (7.3")
Rotor Diameter:	1348mm (53")
Weight:	3400g (7.5lbs)
Engine:	50 Class Only
Gear Ratio:	8.7:1:4.71

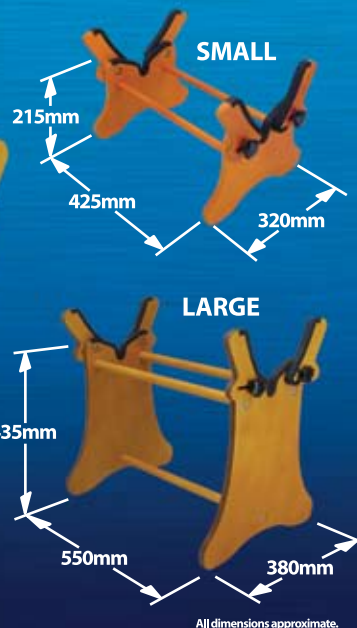
Note: Supplied without main blades, engine and muffler.

**A-H0403-955 Hirobo Scedu SDX 50 SWM Kit..... £359.99**



A sturdy and durable wooden stand available in two handy sizes. Quick to assemble, they feature fully adjustable, foam padded cradles that can accommodate aircraft, boats and more. Ideal for use in the workshop and at the field.

**Perfect for model aircraft, boats and yachts!**



- Fuel-Resistant Finish
- Quick Assembly
- Fully Adjustable Foam Padded Cradles
- Use at the Field and in the Workshop

F-ASM-MS01 ASM Model Stand - Small .....£19.99  
F-ASM-MS02 ASM Model Stand - Large..... £24.99



## CAR AND AERO LIGHTING SETS

These light sets will add a level of scale realism to your models and are extremely easy to install. Using long life, super-bright (3 & 5mm diameter) LEDs, you won't fail to see any model they're installed in! All LEDs or LED combinations have separate plugs fitted, so can be moved around for different lighting combinations!

**Light Set 1** is for aircraft and helicopters and features beacon, navigation and strobe lighting. Set contents: Main Control Board, 2 x White LEDs, 1 x Green LED, 1 x Red LED, 2 x White Strobe LEDs, 2 x Slow Flashing Red LEDs and Mounting Kit.

**Light Set 2** is for cars and features headlights, tail lights, steering signals and brake lights, all controlled from your transmitter! Set contents: Main Control Board, 2 x Y-Lead, 2 x White LEDs, 2 x Red LEDs, 2 x Orange LEDs and Mounting Kit.

**Light Set 3** is for cars and features 4 setting options; always on or one of three combination flashing sequences to mimic pace cars, low riders, monster trucks - the only limit is your imagination! LEDs can be switched around as required to suit different applications. Switch operated. Set contents: Main Control Board, 6 x White LEDs, 2 x Blue LEDs, 2 x Red LEDs, 2 x Yellow LEDs, 1 x Y-lead, 1 x Mode Selection Switch and Mounting Kit.

Input Voltage for all sets: 4.8~6V (Recommend 6V for maximum brightness). This can be from your receiver or a separate power source.

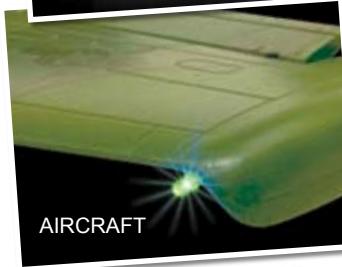
*Adds an extra touch of realism and drama to your model!*

P-RMXLS01	Light Set 1 - Aircraft/Helicopters .....	£14.99
P-RMXLS02	Light Set 2 - Cars (Scale).....	£14.99
P-RMXLS03	Light Set 3 - Cars (Flashing) .....	£19.99

CARS



AIRCRAFT



HELICOPTERS



A new range of air retracts available in both mains only and trike sets to suit a variety of aircraft from 1.6Kg (Micro) up to 1.2~1.4 size models (Large). Both Micro and Mini sets feature Air Up/Spring Down operation, whereas Standard and Large sets feature full Air Up/Air Down operation with variable rate valves for the ultimate scale control!

### MAINS SET - MICRO



- Main Gear Units (x2)
- Undercarriage Legs (x2)
- 3-Way Connector (x2)
- 2.5m Pressure Tubing
- 65ml Air Tank
- Filler Valve
- Control Valve
- Aviation Grade Aluminium

**Mains Set Micro**

- Suitable for Models up to 1.6Kg (3.5lbs)
- Air Up / Spring Down Operation

F-SKYRM01 SkyRC Retracts - Mains Set (Micro) ..... £54.99

### MAINS SET - MINI



- Main Gear Units (x2)
- Undercarriage Legs (x2)
- 3-Way Connector (x2)
- 2.5m Pressure Tubing
- 90ml Air Tank
- Filler Valve
- Control Valve
- Aviation Grade Aluminium

**Mains Set Mini**

- Suitable for Models up to 2.72Kg (6lbs)
- Air Up / Spring Down Operation

F-SKYRM02 SkyRC Retracts - Mains Set (Mini)..... £64.99

**SKYRC** MAINS SET - STANDARD WITH OLEOS



**Mains Set Standard**

- Main Gear Units (x2)
- Undercarriage Oleo Legs (x2)
- 3-Way Connector (x3)
- 2 x 2m Blue Pressure Tubing
- 2 x 2m Red Pressure Tubing
- 300ml Air Tank
- Filler Valve
- Variable Rate Control Valve
- Aviation Grade Aluminium
- Suitable for .46~.90 Size Models
- Air Up / Air Down Operation

F-SKYRM03 SkyRC Retracts - Mains (Std w/Oleos)..... £79.99

**SKYRC** MAINS SET - LARGE WITH OLEOS



**Mains Set Large**

- Main Gear Units (x2)
- Undercarriage Oleo Legs (x2)
- 3-Way Connector (x3)
- 2 x 2m Blue Pressure Tubing
- 2 x 2m Red Pressure Tubing
- 300ml Air Tank
- Filler Valve
- Variable Rate Control Valve
- Aviation Grade Aluminium
- Suitable for 1.20~1.40 Size Models
- Air Up / Air Down Operation

F-SKYRM04 SkyRC Retracts - Mains (Lg w/Oleos)..... £109.99

**SKYRC** TRIKE SET - MICRO



**Trike Set Micro**

- Trike Gear Units (x3)
- Undercarriage Legs (x3)
- 3-Way Connector (x3)
- 2.5m Pressure Tubing
- 65ml Air Tank
- Filler Valve
- Control Valve
- Aviation Grade Aluminium
- Steerable Noseleg
- Steering Control Wire
- Suitable for Models up to 1.6Kg (3.5lbs)
- Air Up / Spring Down Operation

F-SKYRT01 SkyRC Retracts - Trike Set (Micro)..... £69.99

**SKYRC** TRIKE SET - MINI



**Trike Set Mini**

- Main Gear Units (x3)
- Undercarriage Legs (x3)
- 3-Way Connector (x3)
- 2.5m Pressure Tubing
- 90ml Air Tank
- Filler Valve
- Control Valve
- Aviation Grade Aluminium
- Steerable Noseleg
- Steering Control Wire
- Suitable for Models up to 2.72Kg (6lbs)
- Air Up / Spring Down Operation

F-SKYRT02 SkyRC Retracts - Trike Set (Mini) ..... £79.99



**SKYRC** **TRIKE SET - STANDARD WITH OLEOS**



**Trike Set Standard**

- Main Gear Units (x3)
- Undercarriage Oleo Legs (x3)
- 3-Way Connector (x1)
- 4-Way Connector (x2)
- 2 x 2m Blue Pressure Tubing
- 2 x 2m Red Pressure Tubing
- 300ml Air Tank
- Filler Valve
- Variable Rate Control Valve
- Aviation Grade Aluminium
- Suitable for .46~.90 Size Models
- Air Up / Air Down Operation

F-SKYRT03 SkyRC Retracts - Trike (Std w/Oleos) ..... £104.99

**SKYRC** **TRIKE SET - LARGE WITH OLEOS**



**Trike Set Large**

- Main Gear Units (x3)
- Undercarriage Oleo Legs (x3)
- 3-Way Connector (x1)
- 4-Way Connector (x2)
- 2 x 2m Blue Pressure Tubing
- 2 x 2m Red Pressure Tubing
- 300ml Air Tank
- Filler Valve
- Variable Rate Control Valve
- Aviation Grade Aluminium
- Suitable for 1.20~1.40 Size Models
- Air Up / Air Down Operation

F-SKYRT04 SkyRC Retracts - Trike (Lg w/Oleos) .....£139.99

**CORSA 5.0 PULLSTART ENGINE GSR5.0**

This state-of-the-art 5.0cc (.30) Nitro Powered Engine screams into the racing scene at an affordable price. CORSA Engines' easy to tune two needle carb. system makes it simple to find the ideal settings for your needs. O-rings throughout provide a tight seal to keep dirt and debris out of your motor while preventing air leaks for maximum consistency.



L-CENG70369 Corsa 5.0 Pullstart Engine - GSR5.0 ..... £109.99

**CORSA 18S PULLSTART ENGINE (SLIDE)**

This .18 size engine offers the discerning driver the best combination of value and high performance.

Supplied complete with a top quality twin needle slide carburettor and easy to use pull-start unit. Twin output ballraces provide for silky smooth performance and enhance motor life. A perfect choice as a cost effective upgrade from a regular .15 size engine.



L-CENG70371 Corsa 18S Pullstart Engine (Slide) ..... £94.99

**CORSA 18S PULLSTART ENGINE (ROTARY)**

This high performance .18 size engine features twin ballraces for smooth reliable power output and long life. A perfect choice for the 1/10 scale driver who demands more power than a regular .15 size engine, this Corsa 18S is supplied complete with an easy to use pullstart system and a top quality twin needle rotary style carburettor.



L-CENG70370 Corsa 18S Pullstart Engine (Rotary) .....£94.99

**CORSA 28 PULLSTART ENGINE**

State-of-the-art technology and design matched with precision components make the .28 one of the most desirable nitro motors for the serious competitive racer who doesn't want to spend an arm and a leg. This SG shaft, rear exhaust .28 engine is a top-notch choice for buggy, truggy and standard monster truck bashers.



L-CENG70373 Corsa 28 Pullstart Engine - Arena .....£124.99

## O.S. 7 CYLINDER RADIAL

Since 1986, O.S. owners have enjoyed the unique experience of owning and operating the fabulous FR5-300 Sirius 5 cylinder radial. Models have become bigger over the years and O.S. wanted to release a new radial engine to cater for that market. The result is the gorgeous FR7-420. With 7 cylinders and a capacity increase to nearly 70cc, the FR7-420 offers a dramatic increase in both torque and power. In keeping with the scale image set by the Sirius, the new FR7-420 has been styled in the same way with front pushrods and separate rocker boxes for the inlet and exhaust valves. These totally new cylinder heads are not just about 'style', they offer a more efficient design that contributes to the power output. That neat frontal appearance is maintained by keeping the single, dual needle carburettor at the back and hidden in the centre of the engine mount. The prototype engine shown here will have some detail changes (cast cylinder heads etc) made before release, but the general style will be similar. It would almost be a crime to hide it away in a cowl! Quality and style this good is something to be proud of owning. The wide range of large propellers recommended makes choosing the right one for your model simple. At these sizes, they could be close to scale!



Prototype Engine Shown



**O.S. FR7 420.....£TBA**

## O.S. GT55 PETROL

The biggest single cylinder engine made by O.S. and manufactured specifically for R/C. The styling is unmistakably O.S. yet draws on their extensive experience in engine design to keep weight to a minimum and power, torque and cooling to a maximum. The mounting lugs have been positioned to be compatible with the pattern used by the most popular engines on the market, making installation very easy. That front mounted, Walbro carburettor helps to keep the mounting standoffs short and therefore limits vibration. Throttle response is instant and progressive - a great feature for those that want to prop hang!

The CDI ignition system enables quick starting, great throttle response and a steady, low idle. The durable, magnetic sensing system is designed for accurate understanding by the CDI unit of the timing requirement at all throttle settings.

Inside, there is a tough rotary port crankshaft running in precision bearings (the front is rubber sealed). The roller bearing big end in the CNC machined conrod transfers the piston load to the crankshaft efficiently and effortlessly. In turn, the light, CNC machined piston (with single ring) moves inside a plated cylinder that has been optimised for the operating RPM range and the throttling characteristics required. The propeller driver uses a central locating shaft and four radial bolts in the same pattern as many popular engines on the market. The same goes for the exhaust port mounting bolt holes, making for ready access to the various scale and sports mufflers already on the market.

With 55cc of O.S. power on tap, there couldn't be a better choice!



Displacement:	54.93cc (3.352cu.in.)	Power Output:	TBA
Bore:	41.2mm (1.62in.)	Practical RPM:	1500~8000 rpm
Stroke:	41.2mm (1.62in.)	Weight:	TBA

**L-OS38000 O.S. GT55 Petrol .....£649.99**



**O.S. MAX 21VG-P**

Developed from the successful 30VG series and intended to replace and update the old 21RG range. This is a 'sports' tuned car engine for general off or on road use.

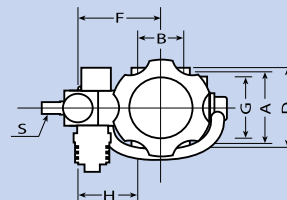
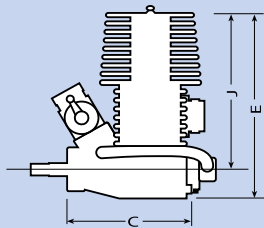
Its mild tune level ensures easy operation for the first time user. The 'P' style crankshaft is for 2 speed transmissions. This version will require an external starting system in the car. Check your car for compatibility. This is the updated version with the 21F carburettor.



**L-OS13644 O.S. MAX 21VG-P.....£139.99**

Dimensions (mm):

A 37.0  
B 21.0  
C 65.6  
D 45.0  
E 102.7  
F: 44.0  
G: 30.8  
H: 33.5  
J: 87.4  
S UNF 1/4-28



Displacement:	3.46cc (0.211cu.in.)	Power Output:	2.0PS@30000 rpm
Bore:	16.60mm (0.654in.)	Practical RPM:	3000~36000 rpm
Stroke:	16.00mm (0.630in.)	Weight:	347g (12.24oz)

**O.S. MAX 21VG-PX**

With its excellent mid-range power, the 21VG (PX) appeals to beginners, indoor tracks, loose, dusty outdoor layouts where top-end speeds are less important than easy set up.

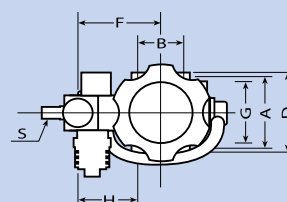
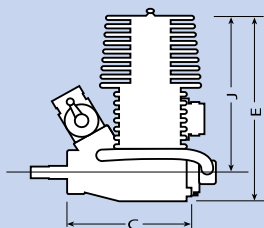
It's an ideal retro-fit for 1/8 scale RTR buggies, trucks, even 1/8 scale circuit cars. The O.S. ABL piston liner breaks in easier and lasts longer and its 2-needle carburettor is simpler for beginners to adjust.



**L-OS13645 O.S. MAX 21 VG-PX..... £154.99**

Dimensions (mm):

A 37.0  
B 21.0  
C 82.5  
D 45.0  
E 102.7  
F: 44.0  
G: ~  
H: 33.5  
J: 87.4  
S UNF 1/4-28



Displacement:	3.46cc (0.211cu.in.)	Power Output:	2.0PS@30000 rpm
Bore:	16.60mm (0.654in.)	Practical RPM:	3000~36000 rpm
Stroke:	16.00mm (0.630in.)	Weight:	395g (13.93oz)

**O.S. SPEED 21VZ-B V-SPEC II**

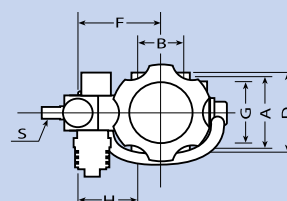
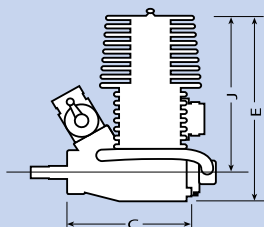
If you want to win World 1/8th Rallycross Championships you need the best engine... and this is it! From the tough new aluminium cylinder head with cooling efficiency holes, to the ceramic rear bearing and the specially plated crankshaft with heavy metal balance inserts, the Speed 21 is all about 'no compromise'. The engine of choice for World Champion, Atsushi Hara, and many others!



**L-OS13911 O.S. Speed 21VZ-B V-Spec II..... £399.99**

Dimensions (mm):

A 37.0  
B 21.0  
C 65.0  
D 45.0  
E 110.6  
F: 44.0  
G: 30.8  
H: 33.8  
J: 95.3  
S UNF 1/4-28



Displacement:	3.46cc (0.211cu.in.)	Power Output:	2.5PS@34000 rpm
Bore:	16.60mm (0.654in.)	Practical RPM:	3000~40000 rpm
Stroke:	16.00mm (0.630in.)	Weight:	349g (12.32oz)

**O.S. MAX 25AX**

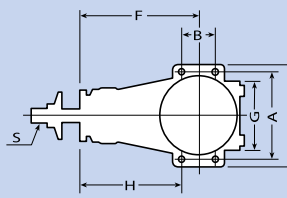
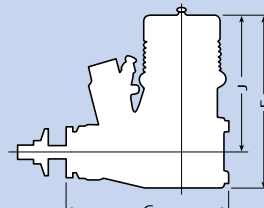
Developed from the fabulous 25FX, the new 25AX inherits the dramatic styling of its AX siblings and provides class leading power and torque for both sports flying or even pylon racing! The new E-3080 muffler is extremely effective and has been optimised to prevent any unnecessary power loss. The mounting pattern ensures that the new 25AX will just drop in to any model designed around the old 25FX.



**L-OS12670 O.S. MAX 25AX w/E-3080 Silencer.....£124.99**

Dimensions (mm):

A 38.0  
B 15.0  
C 75.5  
D 45.0  
E N/A  
F: 53.0  
G: 30.6  
H: 44.5  
J: 59.2  
S UNF 1/4-28



Displacement:	4.07cc (0.248cu.in.)	Power Output:	0.80PS@16000 rpm
Bore:	18.0mm (0.709in.)	Practical RPM:	2500~17000 rpm
Stroke:	16.0mm (0.630in.)	Weight:	275g (9.7oz)

## O.S. MAX 95AX

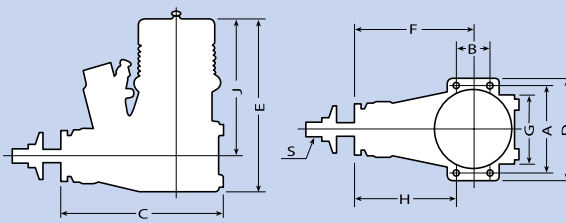
Designed to retain the same mounting dimensions of the 91FX but with increased power and torque. Optimised to produce strong torque and power at modest RPMs and exploit the extremely effective E-4040 silencer. The highly effective and unique cooling fins keep temperatures under control and the carburettor provides the precise control you would expect from O.S.



**L-OS19120 O.S. MAX 95AX w/4040 Silencer ..... £239.99**

Dimensions (mm):

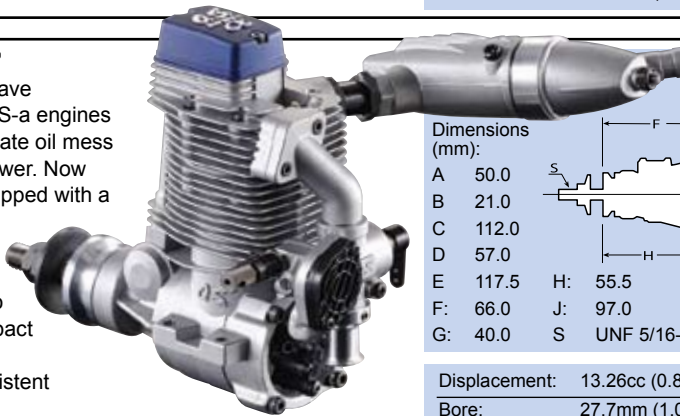
A 52.0  
B 25.0  
C 94.5  
D 61.0  
E 103.3  
F 66.6  
G 42.6  
H 54.1  
J 81.3  
S UNF 5/16-24



Displacement:	15.55cc (0.949cu.in.)	Power Output:	2.9PS@15000 rpm
Bore:	27.7mm (1.091in.)	Practical RPM:	2000~16000 rpm
Stroke:	25.8mm (1.016in.)	Weight:	567g (20oz)

## O.S. FSa-81-P

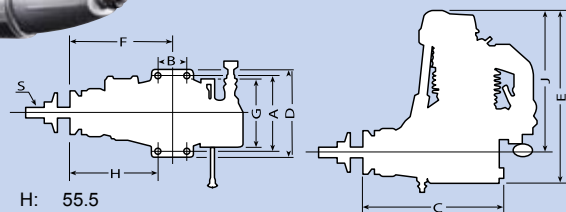
Sport and scale modellers have enthusiastically embraced FS-a engines because they virtually eliminate oil mess while delivering excellent power. Now you can get the 81FS-a equipped with a fuel pump for even more consistent performance. It mounts easily in the same space as an FS-70 II with no modifications. Ideal for compact aerobatic models and other situations that demand consistent high power!



**L-OS34820 O.S. FSa-81-P ..... £349.99**

Dimensions (mm):

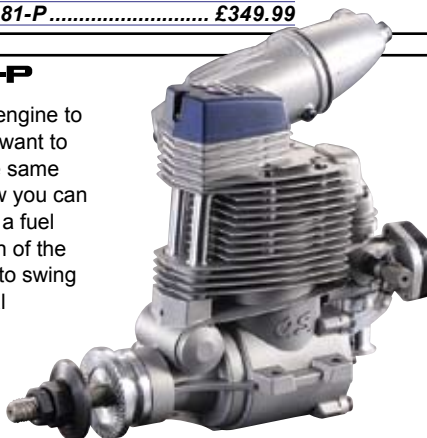
A 50.0  
B 21.0  
C 112.0  
D 57.0  
E 117.5  
F 66.0  
G 40.0  
H 55.5  
J 97.0  
S UNF 5/16-24



Displacement:	13.26cc (0.809cu.in.)	Power Output:	1.28PS@10000 rpm
Bore:	27.7mm (1.091in.)	Practical RPM:	2200~10000 rpm
Stroke:	22.0mm (0.866in.)	Weight:	570g (20.11oz)

## O.S. FSa-110-P

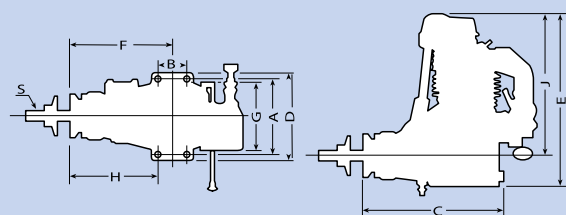
The FSa-110-P is a great engine to increase power when you want to replace a .91, as it has the same mounting dimensions. Now you can enjoy the added benefit of a fuel pump with this new version of the FS-a110. Plenty of torque to swing large props, making it ideal for aerobatics and other situations that demand high power at all attitudes.



**L-OS35420 O.S. FSa-110-P ..... £369.99**

Dimensions (mm):

A 52.0  
B 25.0  
C 120.2  
D 61.0  
E 125.6  
F 66.5  
G 42.6  
H 54.0  
J 104.0  
S UNF 5/16-24



Displacement:	18.0cc (1.10cu.in.)	Power Output:	1.8PS@10000 rpm
Bore:	30.4mm (1.20in.)	Practical RPM:	2000~11000 rpm
Stroke:	24.8mm (0.98in.)	Weight:	610g (21.52oz)

## O.S. MAX 91HZ-PS

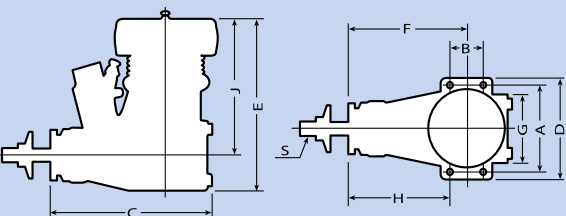
Compared to the old 'Hyper' the new 91HZ-PS offers improved hovering stability as well as power at high speed to meet the most demanding 3D manoeuvres. A new design piston and crankshaft reduces vibration to a minimum and the rectangular heatsink head offers improved cooling. A large PD-08 pump and latest 61B-P11 carb assures a consistent fuel supply irrespective of violent changes in model attitude.



**L-OS18621 O.S. MAX 91HZ-PS Ring (61B11 Carb) ..... £319.99**

Dimensions (mm):

A 44.0  
B 17.5  
C 76.6  
D 52.0  
E 90.9  
F 51.6  
G 36.0  
H 42.85  
J 72.6  
S UNF 1/4-28



Displacement:	14.95cc (0.912cu.in.)	Power Output:	3.5PS@18000 rpm
Bore:	27.7mm (1.09in.)	Practical RPM:	2000~16000 rpm
Stroke:	24.8mm (0.976in.)	Weight:	635g (22.40 oz)



## O.S. MAX 55HZ HYPER

The MAX 50SX-H Hyper has established an enviable reputation for power, reliability and ease of use. The MAX 55HZ Hyper moves that to a whole new level! Designed primarily with the demands of the 3D pilot in mind, the 55HZ Hyper delivers 61 size performance in a 46 size crankcase! Working extensively with the world's top pilots, O.S. have managed to refine all aspects of the engine without compromise in any area.



**L-OS15630 O.S. MAX 55HZ Hyper .....£214.99**

## POWER BOOST PIPE - 55HZ

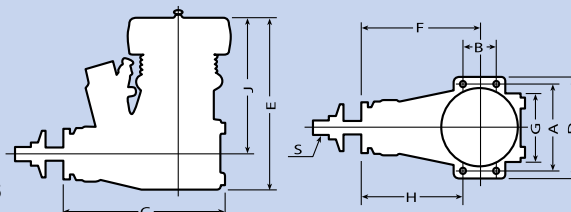
Tuned muffler system especially designed to match to the new MAX 55HZ Hyper.



**X-OS72144000 Power Boost Pipe - 55HZ...£94.99**

Dimensions (mm):

A 44.0  
B 17.5  
C 76.6  
D 52.0  
E 90.9  
F 51.6  
G 36.0  
H 42.85  
J 72.6  
S UNF 1/4-28



Displacement:	8.93cc (0.55cu.in.)	Power Output:	2.1PS@17000 rpm
Bore:	23.0mm (0.91in.)	Practical RPM:	2000~20000 rpm
Stroke:	21.5mm (0.85in.)	Weight:	408g (14.40oz)

## GLOWPLUG NO.7

A Medium/Hot glowplug for most types of aero or heli engine. A completely new design of coil is used to enhance performance. Particularly suited to engines running slightly rich to give a stable idle, broad peak needle setting and punchy acceleration.



**L-OS71607100 Glowplug No.7 (Medium/Hot) .....£5.99**

## GLOWSTARTS



**L-RMXGS2100 Ripmax Glowstart w/Charger - 2100mAh .....£10.99**

**L-RMXGS3600 Ripmax Glowstart w/Charger - 3600mAh .....£12.99**

**L-RMXGS3600AL Ripmax Aluminium Glowstart w/Charger 3600mAh..... £15.99**

**L-RMXGS3600AM Ripmax Aluminium Glowstart w/Meter & Charger 3600mAh....£17.99**

A new range of glowstarts that includes standard 2100 and 3600mAh models, plus aluminium bodied 3600mAh types, both with or without power meter. Each one is supplied complete with a mains charger to suit the capacity and charge in six hours.

**L-RMXGS3600AM**

**L-RMXGS3600**

**L-RMXGS3600AL**



## NITRO START UP SET

The new Ripmax Nitro Start Up Set contains all the essential tools for easily starting nitro fuelled model engines. Perfect for the beginner or seasoned modellers. Particularly suited to car and boat applications.

This set contains quality accessories that are supplied in an attractive gift presentation box.

### Set contents:

- 2100mA Glowstart
- Glowstart Charger
- 350cc Fuel Bottle
- Small Wrench (4, 4.5, 5.5 & 7mm)
- Large Wrench (8, 9, 10, 12 & 17mm)
- Flat Head Screwdriver
- Phillips Screwdriver

**L-RMXNSS Ripmax Nitro Start Up Set .....£15.99**

**eneloop**  
Ready to use Rechargeable Battery



O-5EN2000AASF

Developed by Sanyo as further improvement to Nickel Metal Hydride technology, Eneloop cells offer ready to use performance, excellent capacity, incredibly low self-discharge, high current ability and effective operation in low temperatures.

- Ready for use upon purchase – no need to charge first
- 90% (approx) capacity remaining after 6 month storage (85% after 1 year)
- Can supply up to 4000mA
- Up to 1000 cycles
- Usable and effective down to -10°C

Part Number	Voltage	Capacity	Size (mm)			Weight gms	Connector	Price
			A	B	C			
O-4EN2000AASF	4.8v	2000mAh	56	51	14	108	Futaba	£12.99
O-4EN2000AAWF	4.8v	2000mAh	53	29	29	108	Futaba	£12.99
O-5EN2000AASF	6.0v	2000mAh	70	51	14	134	Futaba	£15.99
O-8EN2000AASF	9.6v	2000mAh	112	51	14	216	Futaba	£24.99
O-8EN2000AAWF	9.6v	2000mAh	104	28	28	216	Futaba/Molex	£24.99
O-EN-2000AA	1.2v	2000mAh	50	14	-	26	~	£2.75

O-4EN2000AAWF



O-8EN2000AASF

O-EN-2000AA



O-4EN2000AASF

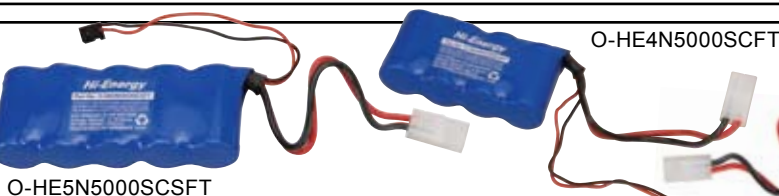
**Intellect**

Three new packs constructed from superb quality 5000mAh Intellect cells that provide tremendous performance with excellent levels of 'punch', combined with huge capacity.

Part Number	Voltage	Capacity	Size (mm)			Weight gms	Connector	Price
			A	B	C			
O-4NM5000INTSFT	4.8v	5000mAh	90	45	23	295	Futaba / Tamiya	£27.99
O-5NM5000INTSFT	6.0v	5000mAh	113	45	23	368	Futaba / Tamiya	£34.99
O-6NM5000SCLT	7.2v	5000mAh	134	46	24	440	Tamiya	£39.99



O-4NM5000INTSFT



O-HE5N5000SCSFT

Part Number	Voltage	Capacity	Size (mm)			Weight gms	Connector	Price
			A	B	C			
O-HE4N5000SCSFT	4.8v	5000mAh	90	48	23	297	Futaba / Tamiya	£19.99
O-HE5N5000SCSFT	6.0v	5000mAh	114	48	23	366	Futaba / Tamiya	£24.99
O-HE6N5000SCLT	7.2v	5000mAh	135	47	23	435	Tamiya	£29.99



O-HE6N5000SCLT

The extremely popular Hi-Energy range of Ni-MH battery packs has expanded further with the addition of these three new packs. Offering all the attributes of quality and performance that the Hi-Energy name is renowned for, the expansion of the range means that there is a now battery pack for almost every application.

**CAVALIER**  
LITHIUM BALANCE CHARGER **EQ**

**PRO PEAK CAVALIER EQ DC CHARGER**  
High performance, Intelligent, Digital Balance Charger

The superb new Cavalier EQ is a feature packed micro-processor controlled fast charger with built-in Li-Po balancer. Perfect for charging Li-Po, Ni-MH, Ni-Cd and Lead Acid batteries from any suitable 10~18 volt DC power source. With a maximum power output of 50W and a variable charge current of up to 5.0A. That clear LCD display is back-lit for ease of use in low light conditions. Supplied complete with XH ports and TP adaptor board to suit batteries from Impulse, Flight Power, Thunder Power and many other brands with the optional EH and PQ boards. Includes crocodile/4mm bullet input connectors for easy connection to a 12v battery or DC power supply. The versatile Cavalier EQ can be further expanded with an optional temperature sensor.

**Specifications:**

<b>Input Voltage:</b>	10.0~18.0v	<b>Ni-MH/Ni-Cd Cells:</b>	1~14 cells
<b>Circuit Power:</b>	50W max	<b>Li-Po/Li-Ion Cells:</b>	1~5 cells
<b>Charge Current:</b>	0.1~5.0A	<b>Pb Battery Voltage:</b>	2~12v
<b>Current Drain</b>		<b>Dimensions:</b>	130x90x30mm
<b>(for Li-Po balancing):</b>	200mAh/cell	<b>Weight:</b>	360g

O-IP3020	Pro-Peak Cavalier EQ DC Charger.....	£54.99
O-IP3020/EUR	Pro-Peak Cavalier EQ DC Charger EU.....	£56.99
O-IPTS1	Pro-Peak Temperature Sensor.....	£2.99

**PRO-PEAK**



**Tough,  
High Quality  
Metal Case**



## PRO PEAK GALLANT EQ DC CHARGER

### GALLANT EQ

LITHIUM BALANCE CHARGER

Pro-Peak have an enviable reputation for producing feature packed products that offer truly outstanding value! The brilliant new Gallant EQ and Sigma II EQ chargers are no exception. These high performance, micro-processor controlled, fast chargers/dischargers have a built-in Lithium balancer. They are both perfect for charging Li-Ion, Li-Po, Li-Fe, Ni-MH, Ni-Cd and Lead Acid batteries from a 11~18.0v power source in the case of the Gallant EQ and either 11~18V DC or 100~240V AC when using the Sigma II EQ. Total charging power for both is 50W. The Gallant EQ and Sigma II EQ do just about everything an average club modeller could need. Supplied with built-in XH balance ports and TP adaptor board to suit Impulse, Flight Power, Thunder Power as standard. Supplied complete with TP adaptor board. Many other batteries can be accommodated by using the optional EH and PQ boards. The Gallant EQ and Sigma II EQ can be further enhanced with an optional temperature sensor. The Gallant EQ also has a home PC USB port.

Gallant EQ  
11~18v Input



Micro-Processor  
Controlled

#### Specifications Gallant EQ & Sigma II EQ:

Input Voltage - Gallant EQ: 11.0~18.0v	Input Voltage - Sigma II EQ: 11.0~18.0v/100~240v
Circuit Power: 50W max	Ni-MH/Ni-Cd Cells: 1~15 cells
Charge Current: 0.1~5.0A	Li-Po/Li-Ion Cells: 1~6 cells
Discharge Current: 0.1~1.0A	Pb Battery Voltage: 2~20v
Current Drain (for Li-Po balancing): 200mAh/cell	

## PRO PEAK SIGMA II EQ DC CHARGER

### SIGMA II EQ

INTELLIGENT BATTERY CHARGER

High  
Quality  
Metal  
Cases

Sigma II EQ  
Dual Power  
11~18v/  
100~240v



PRO-PEAK

O-IP3030	Pro-Peak Gallant EQ DC Charger.....	£54.99
O-IP3050	Pro-Peak Sigma II EQ AC/DC Charger.....	£69.99
O-IP3050/EUR	Pro-Peak Sigma II EQ AC/DC Chgr EU.....	£69.99

## PRO PEAK WARRIOR EQ DC CHARGER

### High Power, Intelligent, Digital Balance Charger

This range-topping high performance charger from the experts at Pro-Peak offers a simply amazing specification at a remarkable low price. The brilliant new Warrior EQ charger is a high power, micro-processor controlled, fast charger/discharger and has a built-in Lithium balancer. It's perfect for charging Li-Ion, Li-Po, Li-Fe, Ni-MH, Ni-Cd and Lead Acid batteries from a 10~18.0v power source. With a maximum internal circuit power of 200W and a variable charge current of up to 10.0A, the Warrior EQ is a versatile and easy-to-use unit. With charging and discharging cycles, 5 regime memories, a storage setting for Lithium packs and much more, the Warrior EQ does just about everything a modeller could need. Supplied with built-in XH balance ports and TP adaptor board to suit Impulse, Flight Power, Thunder Power and many other batteries with optional EH and PQ boards also available. The Warrior EQ can be further enhanced with an optional temperature sensor or USB link for your home PC. With a high quality metal case with integral heatsinks and fans for even better cooling! With 200W of power available, the use of the Twins adaptors (see page 52) makes charging two (2S or 3S) packs at good currents readily achievable.

#### Specifications:

Input Voltage:	10.0~18.0v	Discharge:	25W
Circuit Power:	200W max	Ni-MH/Ni-Cd Cells:	1~18 cells
Charge Current:	0.1~10.0A	Li-Lo/Li-Po/Li-Fe Cells:	1~6 cells
Current Drain		Pb Battery Voltage:	2~24v
(for Li-Po balancing):	200mAh/cell	Dimensions:	142x132x32mm
Discharge Current:	0.1~5.0A	Weight:	360g

O-IP3060	Pro-Peak Warrior EQ DC Charger.....	£79.99
O-IP3060/EUR	Pro-Peak Warrior EQ DC Charger EU.....	£79.99
O-IPTS1	Pro-Peak Temperature Sensor.....	£2.99

## WARRIOR EQ

Hi-POWER BALANCE CHARGER

Up to  
**200W**

Tough, High Quality  
Metal Case

PRO-PEAK



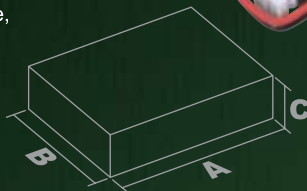
Micro-Processor  
Controlled





## LI-FE BATTERY PACKS

Intellect, one of the world's leading manufacturers of batteries, proudly announces, after a long development programme, their new range of Li-Fe transmitter and receiver battery packs. Available in a range of different capacities, each one of these top quality packs has been optimised to provide the modeller fantastic levels of performance at a remarkable low price!



Part Number	Pack Type	Battery Type	Configuration	Voltage	Capacity	Max. Cont. Discharge	Size (mm)			Weight (gms)	Price
							A	B	C		
O-IT2S1P120015RF	Rx Pack	Li-Fe	2S1P	6.6v	1200mAh	15C	82	30	17	85g	£19.99
O-IT2S1P145001RF	Rx Pack	Li-Fe	2S1P	6.6v	1450mAh	1C	82	30	17	79g	£17.99
O-IT2S1P200025RF	Rx Pack	Li-Fe	2S1P	6.6v	2000mAh	25C	130	35	18	128g	£28.50
O-IT2S1P210001RF	Rx Pack	Li-Fe	2S1P	6.6v	2100mAh	1C	94	29	15	101g	£19.50
O-IT2S1P300025RF	Rx Pack	Li-Fe	2S1P	6.6v	3000mAh	25C	130	35	19	189g	£39.99
O-IT2S1P380020RF	Rx Pack	Li-Fe	2S1P	6.6v	3800mAh	20C	127	36	20	236g	£46.99
O-IT3S1P160001TF	Tx Pack	Li-Fe	3S1P	9.9v	1600mAh	1C	87	49	12	126g	£29.99
O-IT3S1P210001TF	Tx Pack	Li-Fe	3S1P	9.9v	2100mAh	1C	91	30	25	161g	£34.99

## LI-PO BATTERY PACKS 2 SERIES PACKS

# 3C Charging!

Intellect, the battery experts, combine their knowledge of the R/C industry together with their experience in supplying Lithium batteries for use in full sized cars. This impressive series of Li-Pos from intellect are available in a wide range of sizes, voltages and capacities, and there are dedicated packs for R/C cars, aircraft and helicopters. With very competitive pricing, and a wide range from launch, these high performance packs are perfect for almost every application.



Part Number	Pack Type	Battery Type	Configuration	Voltage	Capacity	Max. Cont. Discharge	Size (mm)			Weight (gms)	Price
							A	B	C		
O-IT2S1P045025A	Standard	Li-Po	2S1P	7.4v	450mAh	25C	56	30	8	27g	£9.99
O-IT2S1P085020A	Standard	Li-Po	2S1P	7.4v	850mAh	20C	57	32	16	44g	£11.99
O-IT2S1P110020A	Standard	Li-Po	2S1P	7.4v	1100mAh	20C	69	37	15	60g	£14.99
O-IT2S1P110025A	Standard	Li-Po	2S1P	7.4v	1100mAh	25C	69	37	15	60g	£15.99
O-IT2S1P130020C	Standard	Li-Po	2S1P	7.4v	1300mAh	20C	67	35	15	70g	£15.99
O-IT2S1P160020A	Standard	Li-Po	2S1P	7.4v	1600mAh	20C	90	36	13.6	84g	£19.99
O-IT2S1P160020C	Car Race Pack	Li-Po	2S1P	7.4v	1600mAh	20C	85	29	16	83g	£18.99
O-IT2S1P160025A	Standard	Li-Po	2S1P	7.4v	1600mAh	25C	90	36	17	92g	£21.99
O-IT2S1P180030HC	Hard Case	Li-Po	2S1P	7.4v	1800mAh	30C	86	32	19	94g	£31.99
O-IT2S1P210020A	Standard	Li-Po	2S1P	7.4v	2100mAh	20C	106	36	16	105g	£23.99
O-IT2S1P210025A	Standard	Li-Po	2S1P	7.4v	2100mAh	25C	106	36	17	113g	£29.99
O-IT2S1P210025AS	Square	Li-Po	2S1P	7.4v	2100mAh	25C	67	42	18.5	105g	£26.99
O-IT2S1P220002R	Rx Pack	Li-Po	2S1P	7.4v	2200mAh	2C	90	30	17	87g	£18.99
O-IT2S1P400020A	Standard	Li-Po	2S1P	7.4v	2500mAh	20C	106	36	19	132g	£29.99
O-IT2S1P250025A	Standard	Li-Po	2S1P	7.4v	2500mAh	25C	100	32	18	145g	£32.50
O-IT2S1P250025HC	Hard Case	Li-Po	2S1P	7.4v	2500mAh	25C	135	45	22	160g	£42.99
O-IT2S1P280020ST	Ni-MH Shape	Li-Po	2S1P	7.4v	2800mAh	20C	134	45	24	179g	£33.99
O-IT2S1P330025A	Standard	Li-Po	2S1P	7.4v	3300mAh	25C	137	46	17.5	190g	£41.99
O-IT2S1P380035HC	Hard Case	Li-Po	2S1P	7.4v	3800mAh	35C	137	46	21	236g	£71.99
O-IT2S1P400020ST	Ni-MH Shape	Li-Po	2S1P	7.4v	4000mAh	20C	135	45	19	230g	£45.99
O-IT2S1P420030HC5	2x Hard Case	Li-Po	2S1P	7.4v	4200mAh	30C	137	46	22	231g (x2)	£73.99
O-IT2S1P500030HC	Hard Case	Li-Po	2S1P	7.4v	5000mAh	30C	137	46	23	278g	£79.99



## 3 SERIES PACKS

3C Charging!



Part Number	Pack Type	Battery Type	Configuration	Voltage	Capacity	Max. Cont. Discharge	Size (mm)			Weight (gms)	Price
							A	B	C		
O-IT3S1P085020A	Standard	Li-Po	3S1P	11.1v	850mAh	20C	57	32	24	65g	£16.99
O-IT3S1P110020A	Standard	Li-Po	3S1P	11.1v	1100mAh	20C	69	37	21	89g	£20.99
O-IT3S1P110025A	Standard	Li-Po	3S1P	11.1v	1100mAh	25C	69	37	21	89g	£22.99
O-IT3S1P130020C	Standard	Li-Po	3S1P	11.1v	1300mAh	20C	67	35	22	103g	£22.99
O-IT3S1P160020A	Standard	Li-Po	3S1P	11.1v	1600mAh	20C	90	36	23	126g	£28.99
O-IT3S1P160025A	Standard	Li-Po	3S1P	11.1v	1600mAh	25C	90	36	25	135g	£29.99
O-IT3S1P210020A	Standard	Li-Po	3S1P	11.1v	2100mAh	20C	106	36	23.5	158g	£33.99
O-IT3S1P210025A	Standard	Li-Po	3S1P	11.1v	2100mAh	25C	106	36	25	162g	£39.99
O-IT3S1P210025AS	Square	Li-Po	3S1P	11.1v	2100mAh	25C	67	42	27	155g	£34.99
O-IT3S1P220035A	Standard	Li-Po	3S1P	11.1v	2200mAh	35C	105	24	23	186g	£50.99
O-IT3S1P250020A	Standard	Li-Po	3S1P	11.1v	2500mAh	20C	106	36	28	199g	£42.50
O-IT3S1P250025A	Standard	Li-Po	3S1P	11.1v	2500mAh	25C	107	36	29.5	201g	£46.99
O-IT3S1P280025A	Standard	Li-Po	3S1P	11.1v	2800mAh	25C	115	37	31	226g	£51.99
O-IT3S1P280030A	Standard	Li-Po	3S1P	11.1v	2800mAh	30C	112	44	28	228g	£57.50
O-IT3S1P330025A	Standard	Li-Po	3S1P	11.1v	3300mAh	25C	137	46	25	275g	£60.99
O-IT3S1P400025A	Standard	Li-Po	3S1P	11.1v	4000mAh	25C	133	44	28	332g	£74.99
O-IT3S1P500030A	Standard	Li-Po	3S1P	11.1v	5000mAh	30C	160	48	30	415g	£99.99

## 4 AND 6 SERIES PACKS

3C Charging!



Part Number	Pack Type	Battery Type	Configuration	Voltage	Capacity	Max. Cont. Discharge	Size (mm)			Weight (gms)	Price
							A	B	C		
O-IT4S1P250025A	Standard	Li-Po	4S1P	14.8v	2500mAh	25C	107	36	39	264g	£61.99
O-IT4S1P280025A	Standard	Li-Po	4S1P	14.8v	2800mAh	25C	115	37	41	294g	£68.99
O-IT4S1P280030A	Standard	Li-Po	4S1P	14.8v	2800mAh	30C	112	33	38	295g	£75.99
O-IT4S1P330025A	Standard	Li-Po	4S1P	14.8v	3300mAh	25C	137	46	32.5	360g	£80.50
O-IT4S1P400025A	Standard	Li-Po	4S1P	14.8v	4000mAh	25C	132	44	35	436g	£99.99
O-IT4S1P500030A	Standard	Li-Po	4S1P	14.8v	5000mAh	30C	160	48	40	542g	£134.99

Part Number	Pack Type	Battery Type	Configuration	Voltage	Capacity	Max. Cont. Discharge	Size (mm)			Weight (gms)	Price
							A	B	C		
O-IT6S1P250025A	Standard	Li-Po	6S1P	22.2v	2500mAh	25C	104	34	54	400g	£79.99
O-IT6S1P280025A	Standard	Li-Po	6S1P	22.2v	2800mAh	25C	115	34	58	435g	£89.99
O-IT6S1P280030A	Standard	Li-Po	6S1P	22.2v	2800mAh	30C	115	34	58	435g	£99.99
O-IT6S1P400025A	Standard	Li-Po	6S1P	22.2v	4000mAh	25C	137	55	45	687g	£134.99
O-IT6S1P550025A	Standard	Li-Po	6S1P	22.2v	5500mAh	25C	155	55	45	858g	£179.99

## PRO-PEAK VOLTAGE ANALYSER

A useful electronic device for measuring single cell and total pack voltage in any 1~6S Li-Po or Li-Fe pack, all at the same time, on a single display screen.

A cell low voltage warning can be programmed to help prevent a cell going under the voltage value that you set. This can be visual, or audible using the additional buzzer.

The lowest voltage that any cell in the pack gets to during the discharge is also logged until the unit is powered down. The display is an easy to read LCD type and the entire unit can be hand operated or even mounted to a model. A great feature for helicopter fliers keen to keep an eye on their pack state whilst flying. Leads are supplied to suit most balance plugs on Li-Po and Li-Fe packs. Care should be taken to ensure the correct polarity during connection.

Measures 68 x 35 x 10mm. Weighs 15g, excluding leads.

Hand or  
Airborne Use!



O-IPLVA Pro-Peak Voltage Analyser..... £19.99



## PRO-PEAK TWINS BATTERY ADAPTERS

Allows the simultaneous charging of either 2x 2S or 2x 3S battery packs using a single charger!

Adapter 2S EH	Use with 2 x 2S battery packs with EH connectors
Adapter 2S TP	Use with 2 x 2S battery packs with TP connector
Adapter 2S XH	Use with 2 x 2S battery packs with XH connectors
Adapter 3S EH	Use with 2 x 3S battery packs with EH connectors
Adapter 3S TP	Use with 2 x 3S battery packs with TP connectors
Adapter 3S XH	Use with 2 x 3S battery packs with XH connectors

**O-IPTW2SEH Pro-Peak Twins Batt. Adapter 2S EH ....£2.99**

**O-IPTW2STP Pro-Peak Twins Batt. Adapter 2S TP.....£2.99**

**O-IPTW2SXH Pro-Peak Twins Batt. Adapter 2S XH ....£2.99**

**O-IPTW3SEH Pro-Peak Twins Batt. Adapter 3S EH ....£2.99**

**O-IPTW3STP Pro-Peak Twins Batt. Adapter 3S TP.....£2.99**

**O-IPTW3SXH Pro-Peak Twins Batt. Adapter 3S XH ....£2.99**



High Precision

## Watt Meter And Power Analyser



Measure Performance of Battery,  
Motor, Charger, ESC or Servo/Receiver  
Combination



At last, a heavy duty watt meter that can monitor the power consumption of your motor/load source and 'freeze' record the peaks for later checking. The Watt Meter can be used to measure battery performance, motor performance, charger performance, speed controller (ESC) performance or even the current demanded by a receiver/servo combination. An important feature to decide if a BEC has enough power.

The moulded plastic case has an easy-grip finish and the unit is both compact and durable. The blue illuminated, LCD display is clear and logically laid out for easy understanding.

### Specifications:

- Operates From 4.8~60V  
From 0V With Optional Auxiliary Battery
- Measures:  
Current (Amps) 0~130A, Resolution 0.01A  
Voltage (Volts) 0~60V, Resolution 0.01V  
Power (Watts) 0~6554W, Resolution 0.1W  
Current Delivery (Amp Hours) 0~65Ah, Resolution 0.001Ah  
Energy (Watt Hours) 0~6554Wh, Resolution 0.1Wh

**Heavy  
Duty**

**130A**

**O-IPWM Pro-Peak Watt Meter ..... £34.99**



## SKYRC IMAX C403 CHARGER



A modern charger for the modern modeller, that's the C-403!!

This is a charger designed for Lithium

based batteries only, but copes with Li-Ion, Li-Po and Li-Fe technologies with a regime specific for each. The built in balancer can work on 2, 3 or 4 cell packs that have a cell voltage variation other chargers might not like. It will also charge single cells. The charge current can be varied from 0.1A to 3.5A in 0.01A increments using the large LCD display screen. Those small increments are particularly useful for the latest generation of indoor models with small Li-Po packs. At the other end of the scale, you can also charge a 4S pack at 3A or a 2S pack at 4.75A and still stay inside the 40W circuit limit. That kind of range puts the C-403 into the car, boat and aircraft markets for the majority of sports modellers! An excellent choice for foam RTFs for instance. The tough, aluminium case has that air of quality but with real strength. The side balance port accepts XH and EH plugs and a balance board & lead is also provided for TP plugs. Optional boards for PQ are available.

**O-SKYCHC403 SkyRC IMAX C403 Charger ..... £24.99**



## SKYRC IMAX QUATTRO B6 CHARGER

Fed up of being unable to charge more than one or two batteries at the same time? What about being unable to charge totally different capacities and chemistries simultaneously? At last, SkyRC have the answer in the form of their new Quattro B6 charger.

This is effectively four B6+ chargers all built into one compact case. Each charger has its own display screen and programming buttons for complete, independent control. Each charger has its own balance port for Lithium type battery balancing and one balance board for XP and TP plugs is supplied (others are available as options). Two of the chargers have a temperature sensor socket which also doubles as a PC interface socket. These sensors/cables are options.

The Quattro B6 is built into a sturdy aluminium case with extensive cooling fins to handle the 50W charge per charger that it can provide. That's a total of 200W. You will need a good 12V battery or a 200W power supply as a power source. The Pro-Peak 20A power supply is ideal.

### Specification (Per Charger)

- Operating Voltage – DC 11~15V
- 50W Charge, 5W Discharge
- 1~15 Cells Ni-MH/Ni-Cd
- 1~6 Cells Li-Po/Li-Ion/Li-Fe
- 1~10 Cells Lead Acid
- Balancing Current - 300mA

Weight: 1.09Kg  
Dimensions: 225.4 x 158.6 x 62.5mm

O-SKYCHB6Q	SkyRC IMAX Quattro B6 Charger .....	£144.99
O-SKYZTEMP	SkyRC IMAX Temperature Sensor .....	£4.99



## MULTI FUNCTION CHARGE LEAD



Ever wanted to charge a battery and found that you do not have the right lead or have lost it? Well, here's the answer!

This single lead has most of the common plugs/sockets to charge the majority of batteries on the market in the UK today. It is not a lead for charging multiple batteries at once, it is merely for charging one battery with the correct connector. No more frustrating searches for the correct charge lead, the multi-function charge lead does it all!

O-RAMCG1	Multi Function Charge lead .....	£7.25
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## SKYRC IMAX 12V INPUT LEAD

12V power-in lead for an alternative way of connecting a power supply. Can also be used as a charging output lead for Futaba transmitters.



O-SKYZPL12V	SkyRC IMAX 12V Input Lead (& Tx Charge Lead) .....	£1.99
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Replacement leads for the IMAX charger range.

O-SKYABL5	SkyRC IMAX Adaptor Board Lead B5 .....	£1.50
O-SKYABL6	SkyRC IMAX Adaptor Board Lead B6+ .....	£1.50
O-SKYABL8	SkyRC IMAX Adaptor Board Lead B8 .....	£TBA

## SKYRC IMAX CROCODILE CLIPS

Designed to convert 4mm connectors to crocodile power clips. Perfect for connecting to a 12v battery at the field without permanently adapting your power leads.



O-SKYZCLIP	SkyRC IMAX Crocodile Clips 4mm Plugs .....	£1.50
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# Futaba 10CG 2.4GHz

Ripmax's 60th Anniversary was celebrated by the release of the Futaba 10CG system - the new, dedicated FASST 2.4GHz version of the 10C. This full 10 channel system boasts the rock solid stability of Futaba's 2.4GHz FASST system and comes complete with the lightweight R6014HS receiver and four powerful digital servos. With 15 model memories as standard, this can be increased by simply adding an optional CAMPac.

Its large backlit LCD and highly effective jog-dial make navigation and set-up simple. Dedicated aircraft, helicopter and glider programming make it incredibly versatile.

- Dedicated 2.4GHz FASST System
- Full 10 Channels
- 15 Model Memories
- 9 Aircraft Mixes
- 8 Heli Mixes
- 12 Glider Mixes
- 21g R6014HS FASST Receiver
- Easy Menu Navigation
- 4 x S3152 Digital Servos
- 1200mAh Ni-MHs & Charger with 600mAh Rx Delta Peak Output

Offering exceptional functionality there's no less than 9 factory defined aircraft mixes, 8 heli mixes, 12 glider mixes and up to 8 freely programmable mixes. This really is high-end performance at a sports system price. Perfect for club and competition pilots alike, it just has to be seen to be believed!

- **Flexibility**
- **Control**
- **Performance**



**Large Custom Backlit LCD  
clear screen makes navigating  
between menus a breeze!**

**S3152 Specifications:**  
Torque: 5.0 Kg/cm  
Speed: 0.22 secs/60°  
Dimensions: 40 x 20 x 38.1mm  
Weight: 42.8g



P-FP10CG2-4G 10ch S3152x4 2.4GHz (N) MM R6014HS.....£684.99



## Futaba 8FG

The new and innovative Futaba 8FG is the perfect radio for those sport pilots looking to take the next step forward in their flying, as it offers full 8 channel FASST 2.4GHz performance, allied to trend setting new styling and fast and ultra simple programming with its unique touch sensor input. Supplied complete with the new R6008HS receiver and 4 x S3001 servos, the transmitter is fitted with a 1700mAh NI-MH battery for extended operating time.

- Big, 128 x 64 LCD with backlighting, adjustable contrast & auto-off
- Touch sensor programming
- 20-model memory (expandable with optional SD card)
- Ten character user name
- Ten character model name
- Basic and Advanced menus
- Enhanced aircraft, heli and glider software
- Mode 1-4 selectable
- Assignable functions/switches
- 2 proportional sliders
- Digital trims on all 4 main channels
- Fail-safe, servo reversing and EPA
- Aircraft and heli gyro mixes

Supplied complete with the new R6008HS receiver.



P-FP8FG/2-4G 8ch S3001x4 2.4GHz (N) R6008HS.....£499.99



## Futaba 2PL COMBO

When the original Futaba 2PL was launched, it set the standard for mid-range pistol grip radios! No other radio offered the specification or the remarkable value. Now the new 2.4GHz version of the 2PL offers the same incredible specification but now offers the security and locked-in feel of 2.4GHz. Its large format LCD makes set-up easy and 10 model memory makes it extra versatile. Servo Reverse, End Point Adjust, Rates, ABS and Failsafe are just part of the comprehensive list of features.

Supplied as a drycell 'combo' (without servos) so you can choose servos that best suit your application, it includes the new R603GF FHSS (Frequency Hopping Spread System) 2.4GHz receiver. Weighing only 8g, it has a flexible coaxial aerial to make installation simple in any vehicle.

### Features:

- Steering Trim
- Throttle Trim
- Steering Dual Rates
- Model Selection/Model Reset
- Steering Servo Reversing
- Throttle Servo Reversing
- Steering End Point Adjustment
- Throttle End Point Adjustment
- ABS Function
- 10 Model Memory
- Throttle Fail Safe Function

**Futaba**  
**2.4GHz**  
**FHSS**

P-CB2PL/2-4G 2ch Combo 2.4GHz (Dry) R603GF.....£124.99





### 3PMX COMBO

The 3PM radio has proved a great success with drivers around the world, with its combination of specification, performance and price. Continuing this theme of high level success the new 3PMX adds further functionality such as 4 wheel steer mixing, wheel/trigger adjustability and dial trim step select. Other 3PM market leading features remain, including selectable High Response or standard transmission modes, 10 model memory, dual rates, programmable mixing etc. Supplied in combo format, so that you can choose the servo(s) and transmitter battery pack best suited to your needs.



**P-CB3PMFX/2-4G 3ch Combo 2.4GHz (D) R603FS ..... £219.99**

### USB PROGRAMMING INTERFACE

The CIU-2 is a USB interface for communications between your Windows equipped computer and Futaba Link supported devices such as the S9070 Programmable Servo, Programmable ESCs and the GY series of gyros.

**Futaba**

- Interface : USB Rev1.1 compliant
- Operating voltage : 5.0V  $\pm$  0.2V
- Current drain (Idle): 12.3  $\pm$  2.0mA
- Dimensions : 18.2 X 56.5 X 9.0 mm
- Applicable OS : Windows Vista/XP/2000
- Weight : 7.5g

**P-CIU-2 Futaba USB Programming Interface...£44.99**



### ALUMINIUM CASE

High quality aluminium case that's just perfect for protecting and safely carrying two transmitters.

- Two Lockable Catches
- Two Tough Hinges
- Handle & Removable Carrying Strap
- Pre-Cut Foam Liner
- Sufficient Room for Two Transmitters



Transmitters not included.

**Ripmax**

**P-FLAC004 Aluminium Case - Double Tx ..... £29.99**

### Charging Problem...

### Charging Solution!

### 4 OUTPUT DELTA PEAK CHARGER

Are you charging two or three models to fly this weekend? Chances are you are familiar with the scene above... a great jumble of plugs, chargers and wires! And now the solution - the Pro-Peak 4 output charger. Designed for simultaneously charging up to three Ni-Cd or Ni-MH receiver packs and a transmitter, it features Delta Peak charge termination and 1.5m long output leads.

This has to be the most useful and practical R/C charger around!

- Tx output - 9.6v 600mA
- RX outputs (3) - 4.8-8.4v 600mA

**P-FBC40D/4 Tx/Rx 4 Output Delta Peak Chg 600mA .... £19.99**

**P-FBC40D/4EUR Tx/Rx 4 Output Delta Peak Chg Euro ..... £19.99**



### TX/RX CHARGER

Originally developed for use with the 8FG and 12FG radios, the new FBC35D/4 charger has a 7.2v 170mAh output for the Tx battery and a 600mA 4.8-8.4v delta peak terminated output for the Rx battery pack, and can be used for both Ni-Cd and Ni-MH battery packs.



**P-FBC35D/4 Tx/Rx Chgr (Tx 7.2v 170mA) (8/12FG) ..... £14.99**



## FUTABA SKYSPORT T4YF 2.4G FHSS

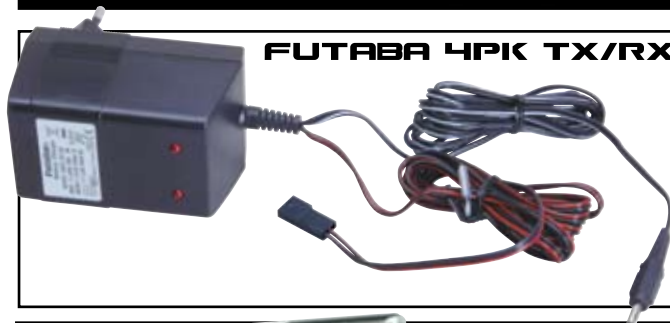
Developed especially to be the ideal first radio for new pilots, the 4YFG utilises 2.4GHz FHSS transmission for the ultimate in solid, precise control, and is supplied complete with matching and extremely compact R2004GF receiver. Features include full four function control, compatibility with other Futaba sets for Buddy Box usage (as pupil transmitter only), servo reverse on all functions as well as elevon mix, allowing the system to be used with more advanced models.

Designed alongside the 4YFG 2.4GHz transmitter, this matching 4 channel FHSS full range receiver measures only 39 x 26 x 10mm, so is suitable for use in all but the smallest models.



<b>P-CB4YFG/2-4G</b>	<b>Futaba Skysport T4YF 2.4GHz FHSS .....</b>	<b>£TBA</b>
<b>P-R2004GF/2-4G</b>	<b>Futaba R2004GF 2.4GHz FHSS Receiver .....</b>	<b>£TBA</b>

## FUTABA 4PK TX/RX CHARGER



Dedicated Tx/Rx charger and 6.0v 1700mAh Ni-MH transmitter battery for use with the Futaba 4PK steerwheel radio.



<b>P-HBC-3C</b>	<b>Futaba 4PK Tx/Rx Charger.....</b>	<b>£22.99</b>
<b>P-HT5F/1700B</b>	<b>Tx Ni-MH 6.0v 1700mAh (4PK) .....</b>	<b>£44.99</b>

**Futaba**

## GY520 PIEZO GYRO (AVCS)



*Suitable for 3D  
and Micro Helis*

*Very High Speed in  
a single unit!*

- Ultra miniature and lightweight gyro contained in one unit – no separate sensor and control unit
- High speed advanced PID (Proportional-Integral-Derivative) algorithm
- Latest MEMS (Micro-Electro-Mechanical Systems)
- Compatible with digital and analogue servos.
- F3C and 3D mode selectable.
- Operates at very high speed; 280Hz in the 1250uS mode and 506Hz in the 760uS mode.
- Programmable through single button and LED or through a PC using Futaba CIU-2 USB adapter.

**Only Weighs 10g**

The brand new GY520 gyro is the smallest and lightest helicopter heading hold gyro available! It may be small, it may be light, weighing only 10grams complete, but it performs brilliantly, no matter whether in .90 size 3D aerobatic heli or a micro electric, all the time consuming about 10% of the power other gyros require and being able to operate with both digital and analogue servos.

<b>P-GY520</b>	<b>Gyro Piezo GY520 (AVCS).....</b>	<b>£154.99</b>
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## DOUBLE ENDED GYRO EXTENSION LEADS

Developed for use with the GY520 gyro, these double ended extension leads are available in a wide range of lengths to suit all installations, from small electric helicopters to large petrol or turbine machines.

<b>P-GYXL/055BLK</b>	<b>Gyro Double Ended Ext Lead 55mm Black.....</b>	<b>£3.50</b>
<b>P-GYXL/055RED</b>	<b>Gyro Double Ended Ext Lead 55mm Red.....</b>	<b>£3.50</b>
<b>P-GYXL/080BLK</b>	<b>Gyro Double Ended Ext Lead 80mm Black.....</b>	<b>£3.75</b>
<b>P-GYXL/080RED</b>	<b>Gyro Double Ended Ext Lead 80mm Red.....</b>	<b>£3.75</b>
<b>P-GYXL/130BLK</b>	<b>Gyro Double Ended Ext Lead 130mm Black....</b>	<b>£3.99</b>
<b>P-GYXL/130RED</b>	<b>Gyro Double Ended Ext Lead 130mm Red.....</b>	<b>£3.99</b>
<b>P-GYXL/200RED</b>	<b>Gyro Double Ended Ext Lead 200mm Red .....</b>	<b>£4.25</b>
<b>P-GYXL/350BLK</b>	<b>Gyro Double Ended Ext Lead 350mm Black....</b>	<b>£4.99</b>
<b>P-GYXL/350RED</b>	<b>Gyro Double Endd Ext Lead 350mm Red.....</b>	<b>£4.99</b>



**2CH RX BEC AM27**
**2CH RX BEC AM40**
**Futaba**
**27MHz**

**40MHz**

Weight: 16.8g	Channels: 2
Dimensions: 46 x 31.5 x 25mm	

A pair of low cost AM two channel receivers that incorporate a single chip design for improved reliability and new moulded cases with crystal protection. The 27MHz version is ideal for use in model cars, boats and simple aircraft and the 40MHz ideal for all surface vehicles.

<b>P-R162JE/27</b>	<b>2ch Rx BEC AM27.....</b>	<b>£19.99</b>
<b>P-R162JE/40</b>	<b>2ch Rx BEC AM40.....</b>	<b>£19.99</b>

**8CH RX 2.4GHz (FS/HS MODE)**
**14CH RX 2.4GHz (FS/HS MODE)**
**Futaba**
**Futaba**


This 8ch receiver from Futaba differs from all previous receivers because it can run on 2 modes. There is a "Normal Mode" where the receiver works like all previous Futaba 2.4 GHz receivers but there is also a "High Speed" setting with high resolution for the demanding modeller.

Weight: 13.5g	Channels: 8
Dimensions: 45 x 22 x 13mm	

<b>P-R6008HS/2-4G</b>	<b>8ch Rx 2.4GHz (FS/HS Mode).....</b>	<b>£124.99</b>
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The R6014HS is the only 14 channel 2.4GHz receiver in the world, being suitable for even the largest and most sophisticated models, yet weighing a mere 21 grams. Aimed at the advanced pilot, and developed alongside the matching FTM-14 module for the 12FG/12Z/14MZ and FX40 transmitters.

Weight: 21g	Channels: 14
Dimensions: 52.5 x 37.5 x 16mm	

<b>P-R6014HS/2-4G</b>	<b>14ch Rx 2.4GHz (FS/HS Mode).....</b>	<b>£179.99</b>
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**6CH RX 2.4GHz INDOOR/PARKFLY**
**6CH RX 2.4GHz (COAXIAL ANTENNA)**
**2.4GHz EXTENDED RX AERIAL - PAIR**
**Futaba**
**Futaba**
**Futaba**


This 6 channel receiver is recommended for Parkflight aircraft with a wingspan of up to 1300mm and electric powered helicopters with a rotor diameter of up to around 1000mm. Operating range is approximately 300m.

Weight: 6.7g	Channels: 6
Dimensions: 21.7 x 38.8 x 12.3mm	

<b>P-R6106HF/2-4G</b>	<b>6ch Rx 2.4GHz Indoor/Parkfly.....</b>	<b>£64.99</b>
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Sharing the attributes of the R6106HF receiver, the R6106HFC receiver benefits from a longer coaxial aerial, making it suitable for use in models with carbon fuselages as the longer aerial can be positioned externally.

Weight: 7.1g	Channels: 6
Dimensions: 21.7 x 38.8 x 12.3mm	

<b>P-R6106HFC/2-4G</b>	<b>6ch Rx 2.4GHz (Coaxial Ant.).....</b>	<b>£64.99</b>
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Extended 400 mm receiver aerials for 2.4 GHz FASST aircraft/helicopter receivers, which allows the receiver aerials to be deployed outside the fuselage in models with all-carbon canopies or fuselages. These aerials are also ideal for use in jet models. With care the aerials can be exchanged for the standard aerials by any experienced user.

Weight: N/A	Channels: N/A
Dimensions: 400mm Length	

<b>P-RA2-4G/400</b>	<b>2.4GHz 400mm Extended Rx Aerial-Pr...</b>	<b>£14.99</b>
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Probably the most important development in servo technology - and developed exclusively by Futaba - the use of brushless motors and digital controllers in this new ultimate range of servos greatly improves response time, as the servos react much, much faster to any control input. Combine this with vastly greater reliability due to the vibration-resistant and cooler running brushless motor and the already legendary Futaba servo operating life is typically increased by a factor of five!

You'll also be pleased to learn that the dead-band, centring and power consumption match Futaba's existing digital servo range, but are allied to noticeable increases in speed and torque, without any change in size or weight.

## BLS155 BRUSHLESS SERVO

P-SBL155

For those requiring more power than standard, the new BLS155 is the perfect match. Developed for aircraft, it can also be used in many other applications.

Torque:	18.0 Kg/cm (6.0v)
Speed:	0.15 sec/60° (6.0v)
Dimensions:	40 x 20 x 37mm
Weight:	64g

4.8v/6.0v



## BLS551 BRUSHLESS SERVO

P-SBL551

This new low profile servo is perfect for car use, both electric and I/C, with its superb speed and torque figures, and renowned brushless servo reliability.

Torque:	9.2 Kg/cm (6.0v)
Speed:	0.10 sec/60° (6.0v)
Dimensions:	40.5 x 20 x 25.4mm
Weight:	50g

4.8v/6.0v



## BLS257 BRUSHLESS SERVO

P-SBL257

4.8v

A mini tail rotor servo, the BLS257 has a lightning fast speed of only 0.07sec for 60 degrees, along with a powerful 2.2Kg. cm torque – ideal for electric helicopters.



Torque:	2.2 Kg/cm (4.8v)
Speed:	0.07 sec/60° (4.8v)
Dimensions:	35.5 x 15 x 28.6mm
Weight:	30g

## BLS254 BRUSHLESS SERVO

P-SBL254

4.8v

Standard sized tail rotor servo, the BLS 254 is an ideal partner for the GY401 or new GY520 gyro, and offers optimal performance for I/C and larger electric helicopters.



Torque:	3.8 Kg/cm (6.0v)
Speed:	0.06 sec/60° (6.0v)
Dimensions:	40 x 20 x 36.8mm
Weight:	55g

P-SBL154	Brushless Servo - 0.14s/7.0Kg .....	£94.99
P-SBL155	Brushless Servo - 0.15s/18.0Kg .....	£109.99
P-SBL253	Brushless Servo - 0.10s/10.6Kg .....	£109.99
P-SBL254	Brushless Servo - 0.06s/3.8Kg .....	£104.99
P-SBL257	Brushless Servo - 0.07s/2.2Kg .....	£94.99
P-SBL452	Brushless Servo - 0.14s/14.0Kg .....	£71.99
P-SBL551	Brushless Servo - 0.10s/9.2Kg .....	£86.99
P-SBL651	Brushless Servo - 0.12s/6.1Kg .....	£109.99

# Futaba

## BLS253 BRUSHLESS SERVO

P-SBL253

A high torque, digital, brushless servo especially designed for 3D helicopters but suitable for other aircraft applications as well.

4.8v/6.0v

Torque:	10.6 Kg/cm (6.0v)
Speed:	0.10 sec/60° (6.0v)
Dimensions:	40 x 20 x 36.8mm
Weight:	58g

## BLS452 BRUSHLESS SERVO

P-SBL452

Primarily developed for competition EP cars, the BLS452 servo is equally suitable for use in GP cars, boats and larger/heavier aircraft.

Torque:	14 Kg/cm (6.0v)
Speed:	0.14 sec/60° (6.0v)
Dimensions:	40 x 20 x 36.8mm
Weight:	58g

(These are target specs)

4.8v/6.0v



## BLS154 BRUSHLESS SERVO

P-SBL154

4.8v

Popular amongst F3A competitors, the wing servo comes of age with this new brushless servo, high torque, speed and precision combining in a low profile unit.

Torque:	7.0 Kg/cm (4.8v)
Speed:	0.14 sec/60° (4.8v)
Dimensions:	48 x 27 x 25mm
Weight:	58g



## BLS651 BRUSHLESS SERVO

P-SBL651

4.8v/6.0v

Primarily developed for 1/12EP cars, the BLS651 is also ideal for many other applications particularly those requiring a side mounted slim servo.

Torque:	6.1 Kg/cm (6.0v)
Speed:	0.12 sec/60° (6.0v)
Dimensions:	35.5 x 15 x 28.6mm
Weight:	30g



## DIGITAL PROGRAMMABLE SERVO

P-S9070

The S9070 is the first of Futaba's programmable servos. This servo is extremely versatile, offering good torque and speed in a compact low profile design. Low profile designs are often recommended in some of the latest electric models.

Torque:	6.0 Kg/cm (6.0v)
Speed:	0.12 sec/60° (6.0v)
Dimensions:	36 x 20 x 24mm
Weight:	35g

4.8v/6.0v



## BLS153 BRUSHLESS SERVO

P-SBL153

4.8v

Torque:	4.8 Kg/cm (4.8v)
Speed:	0.15 sec/60° (4.8v)
Dimensions:	36 x 15 x 29mm
Weight:	30g

Brand new for 2010 is this mini brushless servo, which has been developed for small to mid sized aircraft, offering digital performance and brushless reliability in a compact package.

## BLS151 BRUSHLESS SERVO

P-SBL151

The new BLS151 brushless standard size servo is primarily designed for aircraft use, where it offers great torque and speed, as well as having response and deadband optimised for fixed wing applications.

Torque:	8.8 Kg/cm (4.8v)
Speed:	0.15 sec/60° (4.8v)
Dimensions:	40 x 20 x 35mm
Weight:	46g

4.8v



## BLS152 BRUSHLESS SERVO

P-SBL152

4.8v/6.0v

The most powerful standard size servo available from Futaba, the brushless BLS152 servo is the ultimate servo for high performance models requiring only the best. Ideal for large models and jets in particular.

Torque:	31.0 Kg/cm (6.0v)
Speed:	0.14 sec/60° (6.0v)
Dimensions:	40 x 21 x 38.4mm
Weight:	72g



P-S9070	Servo Digi Programmable 0.12s/6.0Kg.....	£62.99
P-SBL151	Servo Brushless - 0.15s/8.8Kg.....	£99.99
P-SBL152	Servo Brushless - 0.14s/31.0Kg.....	£139.99
P-SBL153	Servo Mini Brushless - 0.15s/4.8Kg.....	£84.99

## S.BUS SERIAL BUS SYSTEM

**Futaba**

Futaba innovate yet again with their brand new Serial Bus system (so new that we do not have full information at the time of writing!). As models have become ever more sophisticated the quantities of servos and other on-board equipment has increased, resulting in huge bundles of untidy and potentially vulnerable servo and extension leads. The new S-Bus system from Futaba eliminates all of this and enables a single heavier duty lead to be run from the specially developed R6108SB 2.4GHz receiver to the closest servos in the model, where a further lead then runs off to the remaining servos, using data communication to transmit control signals from a receiver to a servo, gyro or other S-Bus compatible device.

Compatible servos for the S-Bus system include the new S3171SB, S9071SB and S9072SB servos, all of which have the additional benefit of being fully programmable, with parameters such as reverse/travel adjust/deadband/speed neutral offset etc, etc being adjustable from a PC using a CIU-2 interface or directly using the SBC-1, S-Bus channel setting tool. Other Futaba servos can be connected to the S-Bus system using SBD-1

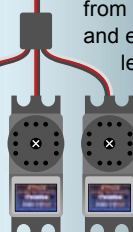
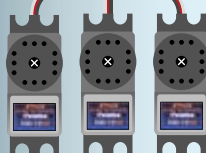
S-Bus servo decoder/s. Note that the R6108SB receiver can still be used in the conventional manner with normal servos plugging into individual channel outputs in the receiver.

Latest technical information and availability details will be on our website at [www.ripmax.com](http://www.ripmax.com) soon!

**Coming 2010!**

Futaba NR-5T1500

Futaba NR-5T1500





## FUTABA WIRELESS TRAINER SYSTEM

**Futaba**

### Wireless Trainer System.

*The no strings attached way to learn to fly!*

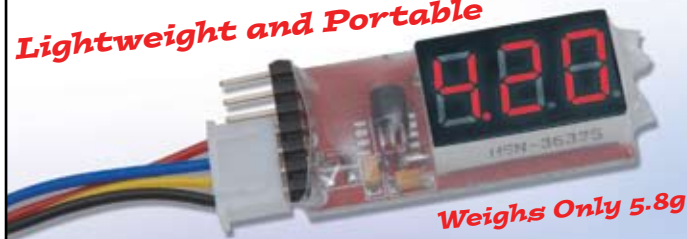
- Does away with trainer cords and leads, allowing the instructor and student to stand up to 30ft apart
- Plugs into the trainer port of any instructor's transmitter which has the micro connector trainer port
- FASST, or conventional FM-PPM, PCM 1024 or PCMG3 (Student Tx must be FASST system)
- Easily programs through the transmitter
- Suitable for simulator use (additional lead required)



P-WRT-7 Futaba Wireless Trainer System..... £99.99

## PRO-PEAK BATTERY MONITOR - Li-PO/Li-Fe

*Lightweight and Portable*



*Weights Only 5.8g*

Quick to use and small enough to store easily, this simple LED display unit can measure individual cell and total pack voltage of any Lithium technology battery up to 6S. The unit cycles across the individual voltages and then the total voltage in turn. The small size and low weight means that you can mount it in the model or use as a hand held unit.



O-IPLBM Pro-Peak Battery Monitor - Li-Po/Li-Fe ..... £6.99



## PRO-PEAK CELL MASTER

The Pro-Peak Cell Master balance/discharger is designed for Li-Po and Li-Fe batteries. It can measure battery voltage precisely and balance each cell's voltage in a battery pack. You can observe each cell's voltage in the battery pack individually. This helps identify abnormal or failing cells during the charging or discharging process. The balance function can be executed before or after the battery has been charged. It also can be done during the battery charging process, helping to ensure that the battery pack remains in excellent condition.

- Easy to Operate
- Adaptor Board Included
- 2~6 Cell Operation

*Helps Maintain  
Battery Performance  
Crystal Clear LCD Display*

O-IPLCM Pro-Peak Cell Master..... £39.99

## JETI EXPANDER E4

**JETI** model



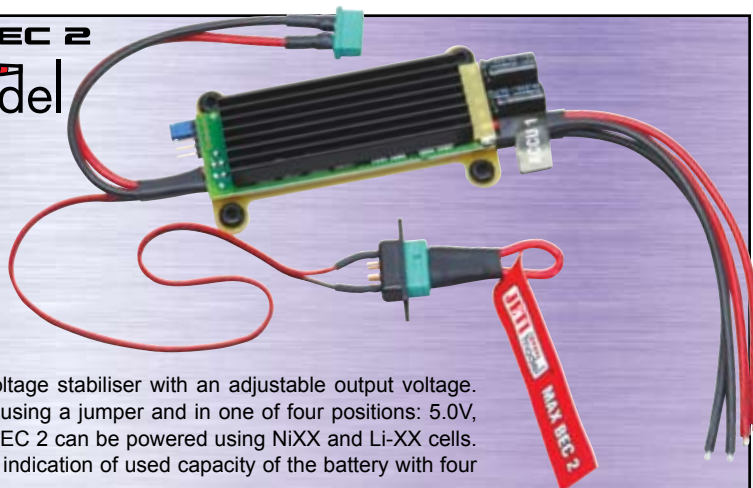
The Jeti Expander E4 allows you to connect more than one sensor to be attached to a duplex receiver (up to four sensors).

P-JEEPE4

Jeti Expander E4..... £39.99

## JETI MAX BEC 2

**JETI** model



Max BEC 2 is a linear voltage stabiliser with an adjustable output voltage. The output voltage is set using a jumper and in one of four positions: 5.0V, 5.4V, 5.7V or 6.0V. Max BEC 2 can be powered using NiXX and Li-XX cells. Max BEC 2 also gives an indication of used capacity of the battery with four LEDs.

P-JESMAXBEC2

Jeti Max BEC 2.....

£71.99

**JETI DUPLEX 4CH RECEIVER 2.4GHZ**
**2.4GHz**

**JETI** model

**Specifications**

Weight: 4.8g	Channels: 4
Aerial Length: 2 x 100mm	
Voltage Range: 3.2~8.4V	
Dimensions: 35 x 20 x 7mm	
With extra connection for telemetry use	

**P-JEDUR4**
**Jeti Duplex 4Ch Receiver 2.4GHz.....£64.99**
**JETI DUPLEX 5CH RECEIVER 2.4GHZ**
**2.4GHz**

**JETI** model

**Specifications**

Weight: 5.2g	Channels: 5
Aerial Length: 2 x 100mm	
Voltage Range: 3.2~8.4V	
Dimensions: 44 x 20 x 7mm	
With extra connection for telemetry use	

**P-JEDUR5**
**Jeti Duplex 5Ch Receiver 2.4GHz.....£69.99**
**JETI DUPLEX 5CH INDOOR RECEIVER 2.4GHZ**
**2.4GHz**

**JETI** model

**Specifications**

Weight: 5.2g	Channels: 5
Aerial Length: 2 x 45mm	
Voltage Range: 3.2~8.4V	
Dimensions: 44 x 20 x 7mm	
With extra connection for telemetry use	

**P-JEDUR5I**
**Jeti Duplex 5Ch Indoor Receiver 2.4GHz £69.99**
**JETI DUPLEX 6CH RECEIVER 2.4GHZ**
**2.4GHz**

**JETI** model

**Specifications**

Weight: 11.0g	Channels: 6
Aerial Length: 2 x 100mm	
Voltage Range: 3.2~8.4V	
Dimensions: 45 x 24 x 12.5mm	
With extra connection for telemetry use	

**P-JEDUR6**
**Jeti Duplex 6Ch Receiver 2.4GHz.....£74.99**
**JETI DUPLEX 6CH RECEIVER 2.4GHZ R6F**
**2.4GHz**


This is the lightest Jeti Receiver, weighing only 3g and is designed for indoor operation. It uses JST connectors for all the channels except channel 3 (for the motor) and has an additional telemetry channel too!

**Specifications**

Weight: 3.0g	Channels: 6
Aerial Length: 45mm	
Voltage Range: 3.2~8.4V	
Dimensions: 38 x 20 x 6mm	

**P-JEDUR6F**
**Jeti Duplex 6Ch Receiver 2.4GHz R6F. £71.50**
**JETI DUPLEX 7CH RECEIVER 2.4GHZ**
**2.4GHz**

**JETI** model

**Specifications**

Weight: 5.5g	Channels: 7
Aerial Length: 2 x 100mm	
Voltage Range: 3.2~8.4V	
Dimensions: 40 x 20 x 7mm	
With extra connection for telemetry use	

**P-JEDUR7**
**Jeti Duplex 7Ch Receiver 2.4GHz.....£73.99**
**JETI DUPLEX 8CH RECEIVER 2.4GHZ**
**2.4GHz**

**JETI** model

**Specifications**

Weight: 15.0g	Channels: 8
Aerial Length: 2 x 200mm	
Voltage Range: 3.2~8.4V	
Dimensions: 50 x 30 x 12.5mm	
With extra connection for telemetry use	

**P-JEDUR8**
**Jeti Duplex 8Ch Receiver 2.4GHz.....£91.99**
**JETI DUPLEX MODULE 2.4GHZ TU**
**JETI** model

**2.4GHz**


A 2.4GHz, FHSS internal circuit board plus aerial. Can only be used with Jeti Duplex receivers. Has built in receiver for download data accessed by the Jeti BOX. Featuring Jeti's own unique software for unbelievable link security and fast data transfer. Can be fitted to most transmitters with enough room & PPM transmission.

Can be fitted to Futaba transmitters at Ripmax's service centre.

**P-JEDUMTU**
**Jeti Duplex Module 2.4GHz TU.....£124.99**
**JETI DUPLEX MODULE 2.4GHZ TF**
**JETI** model

**2.4GHz**


A 2.4GHz, FHSS module for plug in fitment to many Futaba and Hitec sets. Can only be used with Jeti Duplex receivers. has built in receiver for download data accessed by the Jeti BOX. Featuring Jeti's own unique software for unbelievable link security and fast data transfer.

Compatible transmitters: Futaba - FF7 (old), FF8, 9C, 9Z, FC-18, Hitec - Optic 6, Eclipse 7

**P-JEDUMTF**
**Jeti Duplex Module 2.4GHz TF.....£114.99**



## JETI MT125



The MT 125 is a device for measuring and recording temperature data from temperature sensors which connect to the MT125 module. The MT125 can be connected to a Jeti BOX, to a receiver or to a Duplex Expander.

Specifications
Weight: 10g
Temperature Range max: [°C] +85
Temperature Range min: [°C] -10
Range of measured temperature max: [°C] +125°C
Range of measured temp min: [°C] -55°C
Voltage Range: 3.5-8.4V
Dimensions: 19 x 14 x 4mm

**P-JEMT125 Jeti MT125..... £44.99**

## JETI MUI 75



Designed to be used in conjunction with the Jeti Duplex system, this sensor will read your models onboard battery voltage, current draw (up to 75A) and measure the mAh of capacity used.

**P-JEMUI075 Jeti MUI 75 .....£44.99**

## JETI MUI 30



Designed to be used in conjunction with the Jeti Duplex system this sensor will read your model's onboard battery voltage, current draw (up to 30A) and measure the mAh of capacity used.

**P-JEMUI030 Jeti MUI 30 .....£39.99**

## JETI MRPM



The MRPM module is designed to measure the rpm of all types of engines.

The measurement is made using an optical sensor and measures actual rotation and actual power of the propeller. The maximum speed and the maximum propeller output power are recorded also. The measured values are displayed using the Jeti BOX terminal and wireless transmission of the information can be seen in real time using the Duplex 2.4GHz system.

**P-JEMRPM Jeti MRPM.....£39.99**

## V-TAIL MIXER

This V-Tail Mixer is used to mix 2 channels so as to provide control for surfaces such as elevons. It can be used in cases where mixing is not available on the transmitter. Good examples would be a Delta Wing model or V-Tail glider.

**P-VMIX3 V-Tail Mixer .....£14.99**

## JETI MT300



Similar to the MT125, the MT300 is designed to measure a larger range of temperatures (to a maximum of +300°C). Again, it can also be connected to a Jeti BOX, receiver or Duplex Expander.

Specifications
Weight: 6g
Temperature Range max: [°C] +85
Temperature Range min: [°C] -10
Range of measured temperature max: [°C] +300°C
Range of measured temp min: [°C] -40°C
Voltage Range: 3.5-8.4V
Dimensions: 19 x 14 x 4mm

**P-JEMT300 Jeti MT300.....£49.99**

## JETI R/C SWITCH



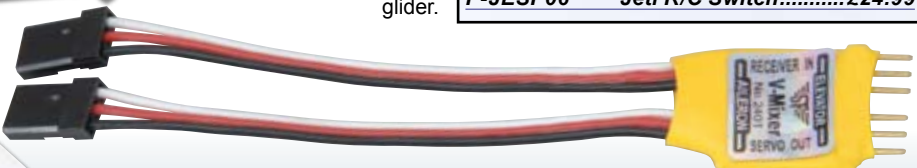
The Jeti Universal switch is suitable for switching ON and OFF auxiliary functions. Perfect for lights, noise generators, fire fighter canon pumps plus a host of other applications.

**IMPORTANT: SHOULD NOT BE USED FOR CONTROL OF POWER MOTORS.**

**P-JESP06 Jeti R/C Switch.....£24.99**



**Extremely  
Easy to Use  
and Very  
Reliable**



# R/C Flight Simulator

**aerofly**  
**professional**  
**PLATINUM**  
**EDITION** *Deluxe*

INCLUDES - ADD-ON 1, STARFLIGHT,  
TRUESCALE, TEAM EDITION 1 & USA EDITION  
**Worth Over £200!**



## IKARUS AEROFLY PROFESSIONAL DELUXE PLATINUM EDITION USB INTERFACE VERSION FUTABA / JR / SPEKTRUM

Taking flight simulation to a new level, Aerofly Professional Deluxe Platinum Edition was developed to improve your flying - and it's perfect for both fixed wing and heli pilots!

The AFPD simulator has dynamic shadows, reflection mapping and doppler sound for even greater realism. Fly everything from helicopters to jets, '3D Fun-Fly' to

a VTOL Harrier and more!

Breathtaking scenery, incredible flight physics and realism make the new Aerofly Professional Platinum Edition Deluxe simulator perfect for newcomers through to experts!

Available as software and interface for your own transmitter or as a full plug and play simulator with Game Commander Transmitter included.

## IKARUS AEROFLY PROFESSIONAL DELUXE PLATINUM EDITION WITH GAME COMMANDER TRANSMITTER INTERFACE

System requirements:

### WINDOWS™

- 100% Intel™ Pentium 4 or AMD™ Athlon64 compatible CPU with at least 1.5GHz
- 512Mb for Windows™ 2000/XP, 1Gb for Windows Vista™
- 4Gb free hard disc memory
- DVD-ROM drive
- OpenGL™ Version 2.0 compatible 3D graphics card with 256Mb
- 100% DirectX™ compatible sound card
- Windows XP/Vista™
- A free USB port and a trainer output on your transmitter

### Mac™

- Apple Mac™ with Intel™ Processor
- Mac OS™ X Leopard (10.5)
- ATI™ or NVIDIA™ compatible 3D graphics card with 128MB
- 1Gb RAM
- DVD drive



- 119 Aircraft Models: Aerobatic Airplanes, Helicopters, 3D-Funflyer, 3m-TOC Models, Jets, VTOL-Harrier, Gliders, Biplanes, Slope Soarer, Shockflyer, Pylon-Racer, Slowflyer, Multi-Blade Helicopters, And Much More...
- 46 Beautifully Designed Scenes (Including 33 Photo-Realistic)
- Dynamic Shadows
- Real Environment Reflection Mapping On Reflective Aircraft Parts
- Simulation Of Back-Light Effect Through The Sun
- Glider Sound

- 6 Music Tracks Exclusively Composed For Aerofly
- Full Collision Detection With All Objects In The Scenery, Including Trees
- Realistic Simulation Of The Aircraft Sound In 3D, Including Doppler Effect
- Simulation Of Retractable Gear And Moving Wings
- 2 Player Split-Screen Mode Allows You To Fly AeroFly With Your Friends On The Same Computer
- Recording/Playback And Saving Of Flights
- Autorotation Practice With Helicopters

- Smoke And Exhaust Effects
- When Crashing Or In Certain Flight Manoeuvres, Aircraft Parts Break Apart
- Simple File Format For Creating Your Own Scenery And Aircraft
- Different Contests Like Balloon Popping, Drag Racing, Pylon Racing Or Spot Landing A 2nd View Window
- Torque-Roll Training With Many Different Models, Like The Cap 232, Giles 202, Extra 330, Shockflyer
- Available In 5 Languages

**46 Unique Airfield Scenes!**  
**119 Detailed Aircraft!**

**'Multipano' Technology**  
Gives you multiple view points!

**FULL-HD-Technology**  
**Graphics to 1900 x 1200 Pixels**

# Realistic Aircraft and Scenery!

A-IKAFDPDG	Ikarus AFPD Platinum Edition GC (Tx) Win .....	£179.99
A-IKAFDPDGM	Ikarus AFPD Platinum Edition GC (Tx) MAC.....	£179.99
A-IKAFDPDI	Ikarus AFPD Platinum Edition Interface Win.....	£139.99
A-IKAFDPDIM	Ikarus AFPD Platinum Edition Interface MAC .....	£139.99



# R/C Flight Simulator

## IKARUS EASYFLY 3 INTERFACE

Based on the award winning Aerofly Professional Deluxe from Ikarus, the easyFly3 uses the same great technology, design, flight physics and graphics. Flying R/C model aircraft can be experienced in exciting high resolution 3D and breathtaking 360 degree photographic scenes.

**Required:**  
PC USB port for the connection of the USB Interface cable (included) to your own PPM capable Transmitter with trainer jack (not included).

<b>A-IKEF3I</b>	<b>Ikarus easyFly 3 Interface.....£79.99</b>
<b>A-IKEF3GC</b>	<b>Ikarus easyFly 3 Game Commander Tx.....£99.99</b>



## IKARUS EASYFLY 3 GAME COMMANDER TX

**Full-Sized Transmitter!**

This version of the easyFly3 flight simulator uses the same, ever popular software as the USB interface version, but with the added advantage of a full-sized USB transmitter controller to further enhance the simulation of your R/C model flying!

- 8 Unique Airfield Scenes Including 7 Breathtaking Realistic 360 Degree Photographic Sceneries
- 31 Extremely Detailed Aircraft
- Easy Plug and Play USB Connection

**Required:**  
PC USB port for the connection of the USB Interface cable to the USB transmitter controller (included).



## IKARUS EASYFLY 3 STARTER EDITION GAME PAD

Basing on the award winning Aerofly Professional Deluxe flight simulator from Ikarus the easyFly3 SE uses the same great technology, design, flight physics and graphics. The easyFly3 SE offers a perfect flight simulation to all newcomers, advanced and professionals. The complete spectrum of the R/C model aircraft hobby can be enjoyed in exciting 3D, and breathtaking 360 degree photographic scenes.

- 4 Unique Airfield Scenes Including 3 Breathtaking Realistic 360 Degree Photographic Sceneries
- 6 Extremely Detailed Aircraft
- Easy Plug and Play USB Connection



**Required:**  
PC USB port for the connection of the USB Interface cable

## IKARUS EASYFLY 3 STARTER EDITION GAME COMMANDER

This version of the easyFly3 SE flight simulator uses the same ever popular software as the Game Pad version, but with the added advantage of a full-sized USB transmitter controller to further enhance the realism of your flying!

**Features easy installation and setup, together with realistic high resolution graphics and sound!**



**Required:**  
PC USB port for the connection of the USB Interface cable

<b>A-IKEF3SE</b>	<b>Ikarus easyFly 3 Starter Edit Gamepad.....£29.99</b>
<b>A-IKEF3SEGC</b>	<b>Ikarus easyFly 3 Starter Edit GameComm. £39.99</b>

### easyFly3 Minimum System requirements:

- Intel Pentium 4 or AMD 64 compatible Processor with at least 1.5GHz
- 512Mb RAM
- 1.5Gb free hard disc memory

- CD-ROM drive
- OpenGL version 2.0 compatible 3D graphics card with at least 128Mb
- 100% DirectX 9.0 compatible sound card
- Windows™ 2000/XP/Vista with DirectX version 9.0b or higher

▲ A-IKGCUSB

▲ A-IKAL1

▲ A-IKAL2

▲ A-IKMPD

▲ A-IKAFPDCU

▲ A-IKAL1

▲ A-IKAL2

▲ A-IKGCUSB

▲ A-IKAFPDCU

▲ A-IKAL1

▲ A-IKAL2

▲ A-IKMPD

▲ A-IKGCUSB

▲ A-IKAL1

▲ A-IKAL2

▲ A-IKMPD

<b>A-IKAL1</b>	<b>Ikarus Adapter Lead F99/Spektrum DX/JR..... £12.99</b>
<b>A-IKAL2</b>	<b>Ikarus Adapter Lead Futaba Old..... £12.99</b>
<b>A-IKMPD</b>	<b>Ikarus Multiplayer AWC Dongle .....£34.99</b>
<b>A-IKGCUSB</b>	<b>Ikarus Game Commander USB Adaptor .....£59.99</b>
<b>A-IKAFPDCU</b>	<b>Ikarus AFPD Cross Upgrade WIN/MAC..... £79.99</b>

Windows is a registered trademark of Microsoft Corporation in the United States and other countries

Distributed to all good model shops by: **Ripmax**

See the full Ripmax range at [www.ripmax.com](http://www.ripmax.com)

**SANWA**

**M11X**



The huge LCD display screen provides all the information that you need displayed in characters that can be easily read. Programming of the extensive features is both simple and intuitive.

- 4 Channel 2.4GHz FHSS-3 System with 30 Model Memory
- Ballrace Supported Steering Wheel and Trigger with Adjustable Spring Tensions
- Adjustable Back Light Display and Vibration Settings
- Assignable Switches and Trims
- Vibration Setting for Timer Notifications
- Failsafe Programming Available on all Channels
- Multi-Function Timer/Lap Counter
- Electronic Traction Control
- Anti-Lock Braking System
- Speed Sensitive Steering and Brake Adjustments
- Exponential Control Settings
- Adjustable Rate Control Settings
- Throttle and Brake Mixing
- Compatible with Current SANWA 2.4GHz FHSS-2 Surface Receivers

The ultimate wheel car radio for the serious competition racer who wants the latest, fastest response, locked-in feel set with a list of features that leave you scratching your head to think what else could possibly be added! The M11-X uses the latest, ultra fast Sanwa FHSS3 system that sets a totally new standard in 2.4GHz response time. With an average response of 4ms, the M11-X is nearly twice as fast as the best of the competition and nearly three times as fast as the Spektrum DX-3S. The ergonomically designed Tx is a dedicated 2.4GHz unit that can operate on the latest FHSS-3 system or the earlier FHSS-2 system used in the Exzes Plus and M11. The adoption of a 6 cell, welded, 1500mAh Ni-MH battery is a significant step in reducing the transmitter weight and a totally new Tx charger is provided for it.



The set includes the latest RX-451 receiver as standard so that you can feel that super fast response straight away!

**P-M11P/4N** Sanwa M11X (N-Tx) 2.4GHz FHSS Combo.....£439.99



**SANWA**

# SD-10G

## DIGITAL PROPORTIONAL SYSTEM

The exciting new SD-10G is Sanwa's latest competition-specification system and no expense has been spared in creating a set that is technically superior to the competition. It's also stunning to look at and built to last!

Sanwa engineers have worked closely with some of the World's top pilots to create a system that provides the features they need and is friendly to use. To meet these demands, the new FHSS-3 system has the fastest response of any set on the market today. That response translates into a 'locked in' feel that is enhanced by smooth, ballraced stick units that fall ergonomically to hand. All switches can be easily accessed and are fully assignable for customising to your personal layout.

No matter whether you fly sports models, aerobatics, gliders, jets or helicopters, the SD-10G is the set you will want to own.

#### Features:

- 10 Channel Computer Radio System
- Advanced Programming Helicopters, Gliders and Powered Aircraft
- 20 Model Memory as Standard
- Add a Further 20 Model Memories with Optional Memory Card
- 5 Programmable Mixes with 9 Point Curves and Graphs
- Optional Mode 1, 2, 3 or 4
- 3-Axis Triple Rates and Exponential
- 5 Complete Flight Modes

#### System Contents

- SD-10G 2.4GHz Transmitter with 6-Cell 1500mAh Ni-MH Battery
- RX1011FS 2.4GHz Ultra-Fast Response Receiver
- New Dual Charger for 6-Cell Tx and 4-Cell Rx Batteries
- Transmitter Neck Strap

**The Fastest Response  
Time In The World!**

**The All New Sanwa SD-10G  
Combo Includes The Ultra Fast  
RX-1011FS 10 Channel FHSS-3  
Receiver!**



P-SD-10G/2N Sanwa SD-10G Combo 2.4GHz.....£499.99

# SANWA SD-5G AND SD-6G 2.4GHZ DIGITAL PROPORTIONAL SYSTEM

With the introduction of the SD-5G and SD-6G, Sanwa has brought the advantages of 2.4GHz FHSS technology to the mass market at an unrivalled specification level and competitive pricing. Styling is influenced by the superb SD-10G and allows to user to move up to that exciting set at a later date with all his existing airborne equipment. The totally new case is ergonomic and stylish, with all controls falling easily to hand. Like the RD series, programming is simple and rarely requires reference to the manual, an important feature for beginners. Trims are digital and all switches are of the 'toggle' type rather than sliding. All Sanwa 2.4GHz FHSS aero receivers (except FHSS-3) are compatible, but the standard receiver supplied in both sets is the RX-600 full range version. To reduce weight, both sets use 6 AA size transmitter batteries (dry or Ni-MH).

Function:	SD-5G	SD-6G
Channels	5	6
Trainer System	•	•
Model Memory	3	10
Digital Trim	•	•
Fail Safe	•	•
Low Battery Alarm	•	•
Stop Watch	x	•
Model Name	x	8 Chars
EPA	•	•
Reverse	•	•
Throttle-Cut	•	•

Aero:		
Flight-Mode (FM)	x	3
Dual Rates	75% D/R	75% D/R
Exponential	•	•
Throttle-Curve	x	5 Point
Flap / Elevator Mix	x	1 * FM
V-Tail	•	•
Delta	•	•
Dual Aileron	x	•
Flaperon	x	1 * FM
Ail Differential	x	1 * FM
Flap	x	2 Pos

Heli:		
Swashplate Type	x	9
Throttle-Curve	x	5 Point
Pitch-Curve	x	5 Point
Rev-Mixing	x	3 Point * FM
Gyro	x	2 * FM



Sanwa SD-5G Shown



P-SD-5G/1	Sanwa SD-5G Combo 2.4GHz Mode 1.....	£99.99
P-SD-5G/2	Sanwa SD-5G Combo 2.4GHz Mode 2.....	£99.99
P-SD-6G/1	Sanwa SD-6G Combo 2.4GHz Mode 1.....	£TBA
P-SD-6G/2	Sanwa SD-6G Combo 2.4GHz Mode 2.....	£TBA



A single ball race, plastic geared version of the SDX-102, providing a little more power, durability and precision. Good for basic 600 class helicopters during learning or general sport aircraft and cars.



Torque:	3.57 Kg/cm (4.8v)
Speed:	0.17 sec/60° (4.8v)
Dimensions:	39 x 20 x 37.4mm
Weight:	43.9g



**Digital Servo**

P-SWSDSX1322 Sanwa SDX-1322 Digital Servo.....£TBA

## SDX-1322



The digital age is now available to the club modeller at an affordable price. The SDX-102 has the same power as the SRM-102 but is faster and has digital holding power. Gears and bushes are plastic.



Torque:	3.32 Kg/cm (6.0v)
Speed:	0.18 sec/60° (6.0v)
Dimensions:	39 x 20 x 30mm
Weight:	40.3g



**Digital Servo**

P-SWSDSX102 Sanwa SDX-102 Digital Servo.....£TBA

## SDX-102



**SANWA**

All HVS series servos are designed primarily to exploit the advantages of high voltage (7.4v) and the benefits that gives in both speed and torque. The HVS-ZS is the high speed version for cars yet can still deliver over 20Kg/cm of torque. Please check that your receiver can handle 7.4v before using this servo at that voltage. Twin ball races with metal gears.



Torque:	20.5 Kg/cm (7.4v)
Speed:	0.10 sec/60° (7.4v)
Dimensions:	40.5 x 21 x 38mm
Weight:	63g

**HVS-ZS****Digital Servo****P-SWDHVSZS Sanwa HVS-ZS Digital H.Volt Servo.... £119.99****SANWA**

Although primarily designed for high-torque, high voltage car applications, this servo can still deliver a speed of 0.12 seconds to 60 degrees when pumping out that massive 24Kg/cm of torque. All that with digital holding power, metal gears and twin ball races makes the HVS-ZV the ultimate, performance, car servo for racers that want the best.



Torque:	26.2 Kg/cm (7.4v)
Speed:	0.12 sec/60° (7.4v)
Dimensions:	40.5 x 21 x 38mm
Weight:	63g

**HVS-ZV****Digital Servo****P-SWDHVSZV Sanwa HVS-ZV Digital H.Volt Servo.... £119.99****SANWA**

Coreless, brushed motor sibling of the SRG-BZ with even more torque but at a similar speed. Like all SRG series servos, it can use the SSR (Sanwa Super Response) system when required but works on all normal systems as well.

**Sanwa Super Response**

Torque:	14.8 Kg/cm (6.0v)
Speed:	0.12 sec/60° (6.0v)
Dimensions:	40.5 x 21 x 38mm
Weight:	61g

**SRG-CZ****Digital Servo****P-SWDSRG CZ Sanwa SRG-CZ Digital Servo ..... £124.99****SANWA**

The ultimate, high-speed, brushless servo for serious car enthusiasts. Able to use the new Sanwa Super Response system (SSR) of the new RX-451R receiver but will also work on the all other Sanwa FHSS and DSSS receivers as well. It is particularly suited to circuit racing. Includes 2 ball races and metal gears as standard.

**Sanwa Super Response**

Torque:	8.0 Kg/cm (6.0v)
Speed:	0.10 sec/60° (6.0v)
Dimensions:	40.5 x 21 x 38mm
Weight:	61g

**SRG-BR****Digital Servo****Brushless****P-SWDSRGRB Sanwa SRG-BR Digital B'less Servo.. £149.99****SANWA**

High torque brother of the SRG-BR, offering the level of response and an impressive torque output to appeal to both off-road and on-road users looking for the durability and longevity. Metal gears and twin ball races are of course standard and the SRG-BZ can also use the Sanwa Super Response (SSR) system if required.

**Sanwa Super Response**

Torque:	13.0 Kg/cm (6.0v)
Speed:	0.12 sec/60° (6.0v)
Dimensions:	40.5 x 21 x 38mm
Weight:	63g

**SRG-BZ****Digital Servo****Brushless****P-SWDSRGBZ Sanwa SRG-BZ Digital B'less Servo .. £149.99****SANWA**

Similar in terms of uses, power and speed to the SRG-BR but at a more competitive price. Still able to use the Sanwa Super Response (SSR) system when required but the motor is now the more conventional, and sometimes preferred, coreless, brushed type used in Sanwa ERG servos in the past. Twin ball races and metal gears.

**Sanwa Super Response**

Torque:	9.0 Kg/cm (6.0v)
Speed:	0.10 sec/60° (6.0v)
Dimensions:	40.5 x 21 x 38mm
Weight:	61g

**SRG-CR****Digital Servo****P-SWDSRGCR Sanwa SRG-CR Digital Servo..... £124.99**



A high resolution, standard-size servo for 1/10th scale cars/buggies with twin ball races and metal gears. The coreless, brushed motor is tough, with a good speed of 0.11secs on 6.0v.



Torque:	7.0 Kg/cm	(6.0v)
Speed:	0.11 sec/60°	(6.0v)
Dimensions:	39 x 20 x 37.4mm	
Weight:	59g	



**P-SWSDSX757 Sanwa SDX-757 Digital Servo.....£109.99**

### SDX-757

#### Digital Servo



A new low-profile, digital servo designed for use in cars where space is at a premium and weight needs to be kept low. You still have twin ball races and metal gears for great durability but with the advantage of high speed.



Torque:	6.4 Kg/cm	(6.0v)
Speed:	0.08 sec/60°	(6.0v)
Dimensions:	40.5 x 21 x 26.5mm	
Weight:	50g	



**P-SWSDSX801 Sanwa SDX-801 Digital Servo.....£94.99**

### SDX-801

#### Digital Servo



A new high-speed, digital servo for use in both aircraft and helicopters where the torque of 6.6Kg/cm is sufficient, but speed and holding power are a greater priority. Twin ball races and metal gears are standard.



Torque:	14.8 Kg/cm	(4.8v)
Speed:	0.13 sec/60°	(6.0v)
Dimensions:	39.2 x 20 x 34mm	
Weight:	56g	



**P-SWSDSX771 Sanwa SDX-771 Digital Servo.....£59.99**

### SDX-771

#### Digital Servo



Sister servo to the SDX-771 but with the emphasis on torque rather than outright speed. With nearly 9Kg/cm of torque, metal gears and twin ball races, the SDX-772 has uses in aircraft and helicopters alike.



Torque:	8.9 Kg/cm	(4.8v)
Speed:	0.17 sec/60°	(4.8v)
Dimensions:	39 x 20 x 37.4mm	
Weight:	56g	



**P-SWSDSX772 Sanwa SDX-772 Digital Servo.....£59.99**

### SDX-772

#### Digital Servo



A new, low profile servo designed for aircraft wing installations where space is at a premium. Particularly well suited to gliders. Twin ball races and metal gears ensure durability under load.



Torque:	4.7 Kg/cm	(4.8v)
Speed:	0.10 sec/60°	(4.8v)
Dimensions:	40.5 x 21 x 26.5mm	
Weight:	50g	



**P-SWSDSX851 Sanwa SDX-851 Digital Servo.....£94.99**

### SDX-851

#### Digital Servo



The ultimate 'power' servo to suit the biggest aircraft and helicopters that require a standard size servo. Not only is there immense torque but the speed is quite rapid as well. With tough metal gears and twin ball races and digital holding power, this is one 'heavy duty' servo!!



Torque:	23 Kg/cm	(4.8v)
	29 Kg/cm	(6.0v)
Speed:	0.17 sec/60°	(4.8v)
Dimensions:	40.5 x 21 x 38mm	
Weight:	65g	



**P-SWSDSX901 Sanwa SDX-901 Digital Servo.....£124.99**

### SDX-901

#### Digital Servo



## SANWA

Ultra fast response, 10 channel FHSS receiver used in the SD-10G set. Utilises the latest Sanwa FHSS-3 system for the ultimate in 'locked in' performance. Very wide temperature tolerance and will still function down to 2v! Only compatible with transmitters using the FHSS-3 system.



4.8/6.0V

Channels:	10
Frequency:	2.4GHz FHSS
Dimensions:	15.5 x 49.5 x 26.8mm
Weight:	15g

**P-RX1011FS Sanwa Rx-10Ch 2.4GHz FHSS..... £99.99**

## SANWA

A mini 7 channel, 2.4GHz receiver with full range, yet compact external dimensions. Compatible with the RDS8000 and the SD-10G sets. Suitable for all types of model.



4.8/6.0V

Uses the FHSS-1 system.

Channels:	7
Frequency:	2.4GHz FHSS
Dimensions:	12.7 x 47.5 x 23mm
Weight:	11.2g

**P-RX700 Sanwa Rx-7Ch 2.4GHz FHSS.....£51.99**

## SANWA

Micro 6ch receiver for indoor and Park Flyer models. Limited range of 125 metres. Failsafe operates on channels 1~4 only.



4.8/6.0V

Suitable for the RDS8000 and SD-10G. Uses the FHSS-1 system.

Channels:	6
Frequency:	2.4GHz FHSS
Dimensions:	18.5 x 40.5 x 11mm
Weight:	6g w/case, 4.7g w/o

**P-RX60 Sanwa Rx-6Ch 2.4GHz FHSS Park ..... £39.99**

## SANWA

Small, lightweight receiver compatible with all typical hobby servos, both analogue and digital. The Fast FHSS-3 refresh rate will make you feel 'connected' to your model. Ultra high speed 2.4GHz receiver to suit the M11-X. Not compatible with MX-3 FHSS(FHSS-1) or Exzes Plus (FHSS-2).



4.8/6.0V

Channels:	4
Frequency:	2.4GHz FHSS-3
Dimensions:	14.5 x 36.5 x 24mm
Weight:	9g

**P-RX451 Sanwa Rx-4Ch 2.4GHz FHSS ..... £76.99**



**2010** sees the launch of a number of new effects colours and tints to the **Pactra RC Racing Finish** line-up. This includes one and two coat metallics, two coat flip-flop colours and a fantastic window tint that's also ideal for applying to clear canopies for a more scale look!



### One Coat Metallics

Three new easy to apply lacquers. Includes: RC301 Inca Gold, RC302 Fiery Orange & RC303 Lime Ice.

### Two Coat Metallics

Three new brilliant metallic finishes that can be modified with a backing colour. Includes: RC295 Atomic Rust, RC299 Aqua Wave & RC300 Cobalt Blue.

### Flip-Flop Colours

Three new colour change paints that flip between two different colours for a really unique finish. Includes: RC296 Galactic Purple, RC297 Kryptonite Gold & RC298 Purple Crush.

S-RC301	Inca Gold (Spray) - 85g	£5.25
S-RC302	Fiery Orange (Spray) - 85g	£5.25
S-RC303	Lime Ice (Spray) - 85g	£5.25
S-RC295	Atomic Rust (Spray) - 85g	£5.25
S-RC299	Aqua Wave (Spray) - 85g	£5.25
S-RC300	Cobalt Blue (Spray) - 85g	£5.25
S-RC296	Galactic Purple (Spray) - 85g	£5.25

Note: Two coat metallics and Flip-Flop colours require a coat of Backing Black to achieve the colours shown on the can or alternate solid colours can be used to achieve different effects.

S-RC297	Kryptonite Gold (Spray) - 85g	£5.25
S-RC298	Purple Crush (Spray) - 85g	£5.25
S-RC304	Backing Black (Spray) - 85g	£5.25
S-RC294	Trans. Black Tint (Spray) - 85g	£5.25



**'Official glue of the British F3A World Championship Team'**

A comprehensive range of top quality cyanos formulated to provide the best adhesion to a wide variety of materials. Available in super-thin/fast penetrating, through to more viscous gap filling and odourless versions. Deluxe Materials adhesives have long been the choice of champions and are pleased to announce they are the proud sponsors of the British F3A Championship Team.







### COPTAMIX HELI FUEL

The latest fuel from the formulation experts, Model Technics, CoptaMix is purpose designed for helicopters and has been blended with fully synthetic Klotz 'HeliGlow' - a low viscosity oil - to offer superior reliability, power and performance, without losing exceptional starting and smooth transition. Available in 5 nitromethane content levels to suit every sport, scale or competition application.

V-CM05/5DD	CoptaMix 5% - 1 Gallon.....	£16.20
V-CM10/5DD	CoptaMix 10% - 1 Gallon.....	£17.65
V-CM15/5DD	CoptaMix 15% - 1 Gallon.....	£19.10
V-CM20/5DD	CoptaMix 20% - 1 Gallon.....	£20.95
V-CM30/5DD	CoptaMix 30% - 1 Gallon.....	£24.25



S-SE14	Rocket Hot (Super Thin) - 20g.....	£3.75
S-SE15	Rocket Rapid (Medium) - 20g.....	£3.75
S-SE16	Rocket Max (Thick) - 20g.....	£3.75
S-SE17	Rocket Odourless/Non-Blooming - 20g.....	£6.75

### DRIED PAINT SOLVENT

Primarily developed to clean up Aztek airbrush parts but ideal for stripping dried paint off metal components as shown with the 15 year paint build-up on the Helping Hands to the right!



**T-AZ50495 Dried Paint Solvent (Acrylic/Enamel) 52ml.. £2.99**

### PRO BUILDING BOARD

With the help of Great Planes' Pro Building Board, modellers will build straighter and more accurate aircraft from the very first time they use it. And everyone knows that a model that's built better flies better! The Pro Building Board is 3/4" thick, and designed for larger assembly jobs.



1219 x 406 x 19mm

**T-GPMR6950 Pro Building Board 406 x 1219 x 19mm..... £25.99**



### TAPER KNIFE EDGE REAMER

**Patented Taper Design For More Precise Cuts**

New from XTM Racing is this simply superb precision knife edge reamer. Features a patented 'Christmas tree' style tapering blade to ensure accurate cuts. Conventional knife edge reamers use straight blades that have a tendency to keep on cutting, making oversized holes. The reverse tapering blades on this reamer allows them to 'back off' slightly at each taper to give more accurate cutting. Features laser-etched gradations on each side, one in Imperial and one in Metric (up to 14mm or 9/16"). Suitable for cutting plastics, soft wood and thin metal sheet. The super-sharp blade is secured to a lightweight and comfortable aluminium handle with aluminium safety cap. Only for use by over 18s.



**Cuts Holes Up To 14mm (9/16")**

**T-XTM146086 Taper Knife Edge Reamer XTM.....£14.99**





[www.ripmax.com](http://www.ripmax.com)

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